

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002454.D
 Acq On : 23 Apr 2020 10:52
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:21 PM

Quant Time: Apr 23 13:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	286274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	420243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	388014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	206911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	13035	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
35) Dibromofluoromethane	7.75	113	12445	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	10.20	98	49697	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	12.49	95	17521	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	11195	5.288	ug/l	97
3) Chloromethane	2.13	50	14416	5.329	ug/l	98
4) Vinyl Chloride	2.27	62	10993	5.818	ug/l	96
5) Bromomethane	2.68	94	5963	5.845	ug/l	99
6) Chloroethane	2.82	64	6779	6.832	ug/l	89
7) Trichlorofluoromethane	3.16	101	15495	4.522	ug/l	97
8) Diethyl Ether	3.56	74	7773	5.545	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	12990	5.487	ug/l	98
10) Methyl Iodide	4.13	142	18485	5.039	ug/l	98
11) Tert butyl alcohol	5.00	59	6630	28.436	ug/l #	72
12) 1,1-Dichloroethene	3.91	96	13485	5.567	ug/l	97
13) Acrolein	3.77	56	4693	26.147	ug/l	90
14) Allyl chloride	4.52	41	18913	5.247	ug/l	96
15) Acrylonitrile	5.21	53	17376	25.673	ug/l	99
16) Acetone	3.99	43	13513	26.840	ug/l	99
17) Carbon Disulfide	4.24	76	40265	5.276	ug/l	99
18) Methyl Acetate	4.52	43	9420	5.623	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	33517	5.115	ug/l #	91
20) Methylene Chloride	4.76	84	17463	5.677	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	14411	5.197	ug/l	96
22) Diisopropyl ether	6.16	45	36806	5.139	ug/l	95
23) Vinyl Acetate	6.11	43	110784	24.663	ug/l	97
24) 1,1-Dichloroethane	6.07	63	22425	5.165	ug/l	96
25) 2-Butanone	7.03	43	20115	25.567	ug/l	95
26) 2,2-Dichloropropane	7.02	77	20998	5.083	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	15607	5.177	ug/l	97
28) Bromochloromethane	7.38	49	8712	5.104	ug/l	98
29) Tetrahydrofuran	7.38	42	13330	25.442	ug/l	98
30) Chloroform	7.55	83	24297	5.266	ug/l	91
31) Cyclohexane	7.82	56	25482	5.794	ug/l #	84
32) 1,1,1-Trichloroethane	7.74	97	22794	5.263	ug/l	98
36) 1,1-Dichloropropene	7.95	75	18869	5.232	ug/l	99
37) Ethyl Acetate	7.11	43	9774	5.495	ug/l	100
38) Carbon Tetrachloride	7.93	117	21492	5.213	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002454.D
 Acq On : 23 Apr 2020 10:52
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:21 PM

Quant Time: Apr 23 13:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	25140	5.364	ug/l	100
40) Benzene	8.19	78	54640	5.250	ug/l	98
41) Methacrylonitrile	7.36	41	6358m	2.969	ug/l	
42) 1,2-Dichloroethane	8.27	62	16031	5.321	ug/l	99
43) Isopropyl Acetate	8.30	43	16919	5.098	ug/l	98
44) Trichloroethene	8.97	130	17376	5.326	ug/l	89
45) 1,2-Dichloropropane	9.24	63	12450	5.184	ug/l	99
46) Dibromomethane	9.33	93	7036	5.048	ug/l	95
47) Bromodichloromethane	9.52	83	17542	5.021	ug/l	95
48) Methyl methacrylate	9.31	41	7703	5.094	ug/l	95
49) 1,4-Dioxane	9.31	88	1843	105.112	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	44153	25.670	ug/l	100
52) Toluene	10.27	92	34793	5.214	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	18400	5.064	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	21317	5.086	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	10733	5.200	ug/l	94
56) Ethyl methacrylate	10.53	69	14277	5.116	ug/l	100
57) 1,3-Dichloropropane	10.81	76	17961	5.158	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	35918	26.350	ug/l	99
59) 2-Hexanone	10.85	43	30388	25.535	ug/l	99
60) Dibromochloromethane	11.00	129	13971	5.194	ug/l	100
61) 1,2-Dibromoethane	11.11	107	10685	5.232	ug/l	99
64) Tetrachloroethene	10.74	164	18628	5.221	ug/l	97
65) Chlorobenzene	11.53	112	38606	5.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	13898	4.983	ug/l	95
67) Ethyl Benzene	11.61	91	67540	5.092	ug/l	99
68) m/p-Xylenes	11.72	106	53254	10.423	ug/l	96
69) o-Xylene	12.04	106	24659	5.153	ug/l	100
70) Styrene	12.06	104	43026	5.182	ug/l	98
71) Bromoform	12.22	173	8894	5.094	ug/l #	98
73) Isopropylbenzene	12.34	105	67184	5.009	ug/l	98
74) N-amyl acetate	12.16	43	15529	4.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	10700	5.235	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	8913m	3.120	ug/l	
77) Bromobenzene	12.62	156	17204	5.112	ug/l	98
78) n-propylbenzene	12.68	91	79195	5.072	ug/l	99
79) 2-Chlorotoluene	12.77	91	44133	5.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	58708	5.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4680	5.147	ug/l	93
82) 4-Chlorotoluene	12.86	91	46686	5.194	ug/l	98
83) tert-Butylbenzene	13.08	119	51071	5.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	57138	5.019	ug/l	100
85) sec-Butylbenzene	13.27	105	70205	5.113	ug/l	100
86) p-Isopropyltoluene	13.38	119	66280	5.100	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	33001	5.136	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	32731	5.144	ug/l	93
89) n-Butylbenzene	13.70	91	61299	5.157	ug/l	100
90) Hexachloroethane	13.97	117	12104	5.212	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	29175	5.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2242	5.533	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
Data File : VY002454.D
Acq On : 23 Apr 2020 10:52
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:21 PM

Quant Time: Apr 23 13:11:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 12:46:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	21658	5.086	ug/l	98
94) Hexachlorobutadiene	15.12	225	12921	4.991	ug/l	97
95) Naphthalene	15.25	128	38758	5.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	17864	4.979	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

