

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003557.D
 Acq On : 20 Nov 2020 10:15
 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
 11/23/2020 1:39:19 PM

Quant Time: Nov 21 00:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	150560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	228535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	201643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	8467	5.42	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.84%#
35) Dibromofluoromethane	7.73	113	7732	5.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.30%#
50) Toluene-d8	10.18	98	29833	5.11	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.22%#
62) 4-Bromofluorobenzene	12.48	95	9323	5.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.06%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.93	85	2215	4.992	ug/l	97
3) Chloromethane	2.12	50	6284	6.017	ug/l #	88
4) Vinyl Chloride	2.26	62	7130	5.277	ug/l	97
5) Bromomethane	2.66	94	6338	5.608	ug/l	81
6) Chloroethane	2.80	64	4997	5.274	ug/l	93
7) Trichlorofluoromethane	3.13	101	6048	5.074	ug/l	89
8) Diethyl Ether	3.54	74	4384	5.071	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	7212	5.271	ug/l	96
10) Methyl Iodide	4.10	142	12338	5.226	ug/l	99
11) Tert butyl alcohol	5.02	59	3341	22.433	ug/l #	100
12) 1,1-Dichloroethene	3.88	96	7903	5.331	ug/l	89
13) Acrolein	3.74	56	3715	24.906	ug/l	95
14) Allyl chloride	4.48	41	12554	5.052	ug/l	99
15) Acrylonitrile	5.19	53	10280	25.274	ug/l	95
16) Acetone	3.97	43	11678	22.373	ug/l #	84
17) Carbon Disulfide	4.20	76	24055	5.637	ug/l #	94
18) Methyl Acetate	4.49	43	6842	6.025	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	11229	5.103	ug/l	94
20) Methylene Chloride	4.72	84	14979	7.556	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	9086	5.482	ug/l	97
22) Diisopropyl ether	6.13	45	20295	4.764	ug/l	98
23) Vinyl Acetate	6.07	43	71972	21.737	ug/l	98
24) 1,1-Dichloroethane	6.02	63	14991	5.287	ug/l	96
25) 2-Butanone	7.00	43	16174	23.880	ug/l	96
26) 2,2-Dichloropropane	6.99	77	11000	5.933	ug/l	93
27) cis-1,2-Dichloroethene	7.00	96	9329	5.192	ug/l	94
28) Bromochloromethane	7.34	49	6872	4.951	ug/l	97
29) Tetrahydrofuran	7.36	42	8862	24.976	ug/l	94
30) Chloroform	7.51	83	14587	5.156	ug/l	98
31) Cyclohexane	7.79	56	13371	5.916	ug/l #	84
32) 1,1,1-Trichloroethane	7.71	97	11356	5.194	ug/l	97
36) 1,1-Dichloropropene	7.92	75	11508	5.115	ug/l	98
37) Ethyl Acetate	7.08	43	6398	4.719	ug/l	99
38) Carbon Tetrachloride	7.91	117	10078	4.835	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	11044	4.830	ug/l	96
40) Benzene	8.17	78	35330	5.297	ug/l	98
41) Methacrylonitrile	7.33	41	4829	7.244	ug/l #	85
42) 1,2-Dichloroethane	8.24	62	9744	5.136	ug/l	98
43) Isopropyl Acetate	8.27	43	11730	4.712	ug/l	96
44) Trichloroethene	8.94	130	9665	5.318	ug/l	90
45) 1,2-Dichloropropane	9.21	63	8364	5.059	ug/l	89
46) Dibromomethane	9.31	93	4911	5.216	ug/l	99
47) Bromodichloromethane	9.50	83	11637	5.204	ug/l	93
48) Methyl methacrylate	9.30	41	5892	4.944	ug/l	92
49) 1,4-Dioxane	9.32	88	913	84.632	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	26387	22.115	ug/l	99
52) Toluene	10.25	92	20386	4.992	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	11343	4.846	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	13251	4.974	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	6700	5.017	ug/l #	88
56) Ethyl methacrylate	10.51	69	6881	4.240	ug/l	96
57) 1,3-Dichloropropane	10.79	76	11080	4.902	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	19164	23.011	ug/l	99
59) 2-Hexanone	10.83	43	20225	20.562	ug/l	100
60) Dibromochloromethane	10.99	129	7925	4.908	ug/l	93
61) 1,2-Dibromoethane	11.08	107	6458	5.018	ug/l	99
64) Tetrachloroethene	10.72	164	8132	5.399	ug/l	95
65) Chlorobenzene	11.52	112	22950	5.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	6145	4.909	ug/l	91
67) Ethyl Benzene	11.60	91	34464	4.821	ug/l	98
68) m/p-Xylenes	11.70	106	26620	9.725	ug/l	100
69) o-Xylene	12.03	106	10433	4.765	ug/l	96
70) Styrene	12.04	104	20666	4.683	ug/l	97
71) Bromoform	12.20	173	5035	4.981	ug/l #	94
73) Isopropylbenzene	12.33	105	23819	5.016	ug/l	100
74) N-amyl acetate	12.14	43	8313	4.420	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	6718	5.084	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	4703m	4.838	ug/l	
77) Bromobenzene	12.61	156	8763	5.015	ug/l	96
78) n-propylbenzene	12.67	91	32567	4.881	ug/l	98
79) 2-Chlorotoluene	12.75	91	19552	5.077	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	18504	5.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2902	4.991	ug/l	94
82) 4-Chlorotoluene	12.85	91	23719	5.027	ug/l	99
83) tert-Butylbenzene	13.07	119	18672	5.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	18424	4.848	ug/l	97
85) sec-Butylbenzene	13.25	105	21878	5.350	ug/l	97
86) p-Isopropyltoluene	13.36	119	19370	5.279	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	16385	5.152	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	17410	5.342	ug/l	95
89) n-Butylbenzene	13.69	91	18662	4.753	ug/l	99
90) Hexachloroethane	13.95	117	5022	5.176	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	13242	5.216	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	894	5.194	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	6831	4.798	ug/l	97
94) Hexachlorobutadiene	15.11	225	5066	6.260	ug/l	94
95) Naphthalene	15.23	128	10782	4.438	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5329	5.092	ug/l	96

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

