

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002755.D
 Acq On : 27 May 2020 11:04
 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
 5/28/2020 2:08:31 PM

Quant Time: May 27 12:46:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	440160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	14279	6.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.04%	
35) Dibromofluoromethane	7.73	113	13905	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
50) Toluene-d8	10.18	98	58177	5.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.82%	
62) 4-Bromofluorobenzene	12.48	95	19683	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	12277	5.773	ug/l	99
3) Chloromethane	2.12	50	12865	5.324	ug/l	97
4) Vinyl Chloride	2.26	62	12978	5.141	ug/l	95
5) Bromomethane	2.65	94	10961	5.854	ug/l	99
6) Chloroethane	2.80	64	8389	5.191	ug/l	98
7) Trichlorofluoromethane	3.13	101	23219	5.403	ug/l	99
8) Diethyl Ether	3.54	74	9763	6.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13509	5.177	ug/l	97
10) Methyl Iodide	4.10	142	16591	4.650	ug/l	99
11) Tert butyl alcohol	4.96	59	11053	45.181	ug/l	96
12) 1,1-Dichloroethene	3.88	96	13564	5.198	ug/l	98
13) Acrolein	3.74	56	7583	27.040	ug/l	100
14) Allyl chloride	4.49	41	18772	4.997	ug/l	99
15) Acrylonitrile	5.17	53	19034	28.278	ug/l	98
16) Acetone	3.96	43	16048	31.920	ug/l	94
17) Carbon Disulfide	4.20	76	41917	5.163	ug/l	99
18) Methyl Acetate	4.49	43	10998	7.894	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	35653	5.436	ug/l	100
20) Methylene Chloride	4.72	84	17544	6.020	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	15148	5.219	ug/l	97
22) Diisopropyl ether	6.13	45	37932	5.074	ug/l	96
23) Vinyl Acetate	6.07	43	115428	23.931	ug/l	98
24) 1,1-Dichloroethane	6.03	63	22674	5.085	ug/l	97
25) 2-Butanone	7.00	43	24876	30.321	ug/l	96
26) 2,2-Dichloropropane	6.99	77	23960	5.745	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	16870	5.358	ug/l	96
28) Bromochloromethane	7.35	49	8908	4.996	ug/l	99
29) Tetrahydrofuran	7.36	42	15877	28.741	ug/l	99
30) Chloroform	7.52	83	23367	5.037	ug/l	96
31) Cyclohexane	7.78	56	26302	5.843	ug/l #	89
32) 1,1,1-Trichloroethane	7.71	97	23241	5.413	ug/l	98
36) 1,1-Dichloropropene	7.92	75	19690	5.309	ug/l	99
37) Ethyl Acetate	7.08	43	9798	5.315	ug/l #	94
38) Carbon Tetrachloride	7.90	117	21173	5.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	26008	5.245	ug/l	97
40) Benzene	8.17	78	57156	5.281	ug/l	98
41) Methacrylonitrile	7.32	41	6013m	5.589	ug/l	
42) 1,2-Dichloroethane	8.24	62	15933	5.542	ug/l	98
43) Isopropyl Acetate	8.28	43	18918	5.495	ug/l	97
44) Trichloroethene	8.94	130	18321	5.319	ug/l	99
45) 1,2-Dichloropropane	9.22	63	13585	5.265	ug/l	95
46) Dibromomethane	9.31	93	7830	5.379	ug/l	98
47) Bromodichloromethane	9.50	83	18142	5.126	ug/l	98
48) Methyl methacrylate	9.30	41	8665	5.488	ug/l	97
49) 1,4-Dioxane	9.30	88	2534	124.741	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	50623	28.380	ug/l	99
52) Toluene	10.25	92	37111	5.283	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	19956	5.258	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	22796	5.205	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	12234	5.599	ug/l	93
56) Ethyl methacrylate	10.51	69	15358	5.298	ug/l	99
57) 1,3-Dichloropropane	10.79	76	20104	5.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	40804	28.661	ug/l	98
59) 2-Hexanone	10.83	43	34887	27.920	ug/l	96
60) Dibromochloromethane	10.99	129	15144	5.452	ug/l	100
61) 1,2-Dibromoethane	11.09	107	11968	5.569	ug/l	98
64) Tetrachloroethene	10.72	164	20329	5.240	ug/l	96
65) Chlorobenzene	11.52	112	42832	5.362	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	15879	5.336	ug/l	100
67) Ethyl Benzene	11.59	91	74394	5.317	ug/l	96
68) m/p-Xylenes	11.70	106	56930	10.456	ug/l	100
69) o-Xylene	12.03	106	26677	5.212	ug/l	99
70) Styrene	12.05	104	44947	5.108	ug/l	99
71) Bromoform	12.20	173	10404	5.606	ug/l #	99
73) Isopropylbenzene	12.33	105	74581	5.176	ug/l	99
74) N-amyl acetate	12.14	43	17417	5.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	12588	5.754	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	10462m	5.696	ug/l	
77) Bromobenzene	12.61	156	19937	5.501	ug/l	95
78) n-propylbenzene	12.67	91	86374	5.153	ug/l	99
79) 2-Chlorotoluene	12.75	91	48339	5.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	61958	5.116	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5278	5.388	ug/l	97
82) 4-Chlorotoluene	12.85	91	50402	5.154	ug/l	100
83) tert-Butylbenzene	13.08	119	54993	5.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	62628	5.166	ug/l	99
85) sec-Butylbenzene	13.25	105	77534	5.242	ug/l	99
86) p-Isopropyltoluene	13.37	119	70216	5.078	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	37502	5.366	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	38467	5.529	ug/l	96
89) n-Butylbenzene	13.70	91	64466	5.076	ug/l	100
90) Hexachloroethane	13.96	117	12813	4.990	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	33456	5.323	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2414	5.746	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	26108	5.366	ug/l	100
94) Hexachlorobutadiene	15.11	225	14356	4.909	ug/l	100
95) Naphthalene	15.23	128	50049	5.677	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	23008	5.417	ug/l	99

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

