

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011491.D
 Acq On : 18 Nov 2022 09:54
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 21:32:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 21:29:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	149645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	243199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	222495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9100	6.011	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.020%#		
35) Dibromofluoromethane	7.722	113	8327	5.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.160%#		
50) Toluene-d8	10.185	98	29107	5.357	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.720%#		
62) 4-Bromofluorobenzene	12.489	95	11592	5.846	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	5567	5.710	ug/l	88
3) Chloromethane	2.119	50	7836	5.434	ug/l #	88
4) Vinyl Chloride	2.259	62	8905	5.267	ug/l	95
5) Bromomethane	2.662	94	8094	6.496	ug/l	99
6) Chloroethane	2.802	64	6690	5.673	ug/l	97
7) Trichlorofluoromethane	3.137	101	13410	5.395	ug/l	97
8) Diethyl Ether	3.533	74	4060	5.042	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	7732	5.358	ug/l	98
10) Methyl Iodide	4.100	142	6679	3.977	ug/l	96
11) Tert butyl alcohol	4.954	59	6619	31.581	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	6691	5.076	ug/l #	76
13) Acrolein	3.729	56	1184	29.319	ug/l #	82
14) Allyl chloride	4.491	41	10959	4.746	ug/l	94
15) Acrylonitrile	5.173	53	10878	24.690	ug/l	99
16) Acetone	3.954	43	12476	25.255	ug/l	93
17) Carbon Disulfide	4.204	76	17074	4.696	ug/l	100
18) Methyl Acetate	4.485	43	9326	7.114	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	17909	4.771	ug/l	91
20) Methylene Chloride	4.722	84	18680	7.235	ug/l	83
21) trans-1,2-Dichloroethene	5.228	96	7761	5.122	ug/l	91
22) Diisopropyl ether	6.118	45	23064	4.564	ug/l	97
23) Vinyl Acetate	6.070	43	55987	19.021	ug/l	99
24) 1,1-Dichloroethane	6.021	63	15883	5.382	ug/l	97
25) 2-Butanone	6.990	43	15366	23.616	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	14380	5.236	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	9070	5.065	ug/l	97
28) Bromochloromethane	7.338	49	6088	5.128	ug/l	94
29) Tetrahydrofuran	7.350	42	8469	23.136	ug/l	98
30) Chloroform	7.508	83	16644	5.429	ug/l	95
31) Cyclohexane	7.789	56	13274	5.247	ug/l #	69
32) 1,1,1-Trichloroethane	7.703	97	14444	5.262	ug/l	98
36) 1,1-Dichloropropene	7.917	75	11475	4.916	ug/l	100
37) Ethyl Acetate	7.076	43	5779	4.344	ug/l	98
38) Carbon Tetrachloride	7.905	117	13971	5.374	ug/l	97
39) Methylcyclohexane	9.191	83	11222	4.303	ug/l	92
40) Benzene	8.167	78	34007	4.997	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 21:29:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	3005m	4.861	ug/l	
42) 1,2-Dichloroethane	8.240	62	11327	5.393	ug/l	95
43) Isopropyl Acetate	8.277	43	11269	4.683	ug/l	92
44) Trichloroethene	8.947	130	9440	5.157	ug/l	88
45) 1,2-Dichloropropane	9.221	63	8643	4.962	ug/l	100
46) Dibromomethane	9.313	93	4997	5.128	ug/l	97
47) Bromodichloromethane	9.502	83	12433	5.069	ug/l #	93
48) Methyl methacrylate	9.301	41	4581	4.279	ug/l #	84
49) 1,4-Dioxane	9.295	88	1081	90.296	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	29254	21.842	ug/l	97
52) Toluene	10.246	92	20814	4.846	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	12034	4.914	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	13380	4.845	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	7355	5.309	ug/l	96
56) Ethyl methacrylate	10.514	69	7134	4.106	ug/l	92
57) 1,3-Dichloropropane	10.794	76	11702	4.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	17474	20.516	ug/l	100
59) 2-Hexanone	10.837	43	19364	20.216	ug/l	97
60) Dibromochloromethane	10.989	129	8679	5.087	ug/l	100
61) 1,2-Dibromoethane	11.093	107	6369	5.000	ug/l	98
64) Tetrachloroethene	10.721	164	10057	5.506	ug/l	95
65) Chlorobenzene	11.520	112	23915	5.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	8847	4.992	ug/l	94
67) Ethyl Benzene	11.599	91	40347	4.804	ug/l	98
68) m/p-Xylenes	11.709	106	29496	9.200	ug/l	98
69) o-Xylene	12.038	106	13304	4.449	ug/l	99
70) Styrene	12.050	104	22834	4.494	ug/l	97
71) Bromoform	12.215	173	5203	4.821	ug/l #	98
73) Isopropylbenzene	12.337	105	37362	4.669	ug/l	99
74) N-amyl acetate	12.148	43	8286	4.178	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	8360	5.313	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	6194m	4.512	ug/l	
77) Bromobenzene	12.611	156	9214	4.911	ug/l	97
78) n-propylbenzene	12.678	91	45741	4.679	ug/l	99
79) 2-Chlorotoluene	12.764	91	26533	4.811	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	31738	4.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	2677	4.947	ug/l	86
82) 4-Chlorotoluene	12.861	91	28794	5.002	ug/l	99
83) tert-Butylbenzene	13.081	119	27309	4.643	ug/l	94
84) 1,2,4-Trimethylbenzene	13.129	105	30396	4.556	ug/l	97
85) sec-Butylbenzene	13.257	105	41111	4.681	ug/l	100
86) p-Isopropyltoluene	13.373	119	33429	4.565	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	19785	5.193	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	20491	5.393	ug/l	95
89) n-Butylbenzene	13.702	91	31141	4.621	ug/l	97
90) Hexachloroethane	13.965	117	8121	5.518	ug/l	89
91) 1,2-Dichlorobenzene	13.745	146	17723	5.259	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1316	5.058	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	8981	4.842	ug/l	96
94) Hexachlorobutadiene	15.117	225	5976	5.120	ug/l	99
95) Naphthalene	15.245	128	14408	4.128	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7667	4.832	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

