

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011654.D
 Acq On : 01 Dec 2022 11:27
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/02/2022
 Supervised By :Mahesh Dadoda 12/02/2022

Quant Time: Dec 02 03:14:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	194748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	267495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103858	52.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.040%			
35) Dibromofluoromethane	7.716	113	102781	55.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.220%			
50) Toluene-d8	10.179	98	357397	53.217	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.483	95	135774	54.680	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	56244	54.327	ug/l	98
3) Chloromethane	2.119	50	78604	47.227	ug/l	96
4) Vinyl Chloride	2.253	62	90164	40.933	ug/l	95
5) Bromomethane	2.656	94	62384	43.874	ug/l	96
6) Chloroethane	2.802	64	62120	40.420	ug/l	99
7) Trichlorofluoromethane	3.131	101	161455	49.970	ug/l	97
8) Diethyl Ether	3.534	74	53115	50.864	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	96896	51.862	ug/l	96
10) Methyl Iodide	4.095	142	117273	53.875	ug/l	95
11) Tert butyl alcohol	4.954	59	56825	267.365	ug/l	100
12) 1,1-Dichloroethene	3.881	96	88411	51.659	ug/l	86
13) Acrolein	3.735	56	9410	180.473	ug/l	99
14) Allyl chloride	4.485	41	148815	49.533	ug/l #	93
15) Acrylonitrile	5.168	53	140525	246.377	ug/l	100
16) Acetone	3.948	43	170104	264.829	ug/l	91
17) Carbon Disulfide	4.198	76	225390	47.518	ug/l	100
18) Methyl Acetate	4.479	43	70799	47.558	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	265239	54.304	ug/l	97
20) Methylene Chloride	4.722	84	129611	54.976	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	100894	51.016	ug/l	94
22) Diisopropyl ether	6.119	45	336464	51.306	ug/l	96
23) Vinyl Acetate	6.064	43	1001185	262.083	ug/l	95
24) 1,1-Dichloroethane	6.021	63	196427	51.014	ug/l	98
25) 2-Butanone	6.984	43	204648	242.432	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	185721	52.260	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	121558	52.209	ug/l	92
28) Bromochloromethane	7.338	49	75220	48.627	ug/l	91
29) Tetrahydrofuran	7.350	42	114486	240.154	ug/l	92
30) Chloroform	7.509	83	205966	51.580	ug/l	99
31) Cyclohexane	7.789	56	159809	48.757	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	187136	52.388	ug/l	96
36) 1,1-Dichloropropene	7.923	75	148225	51.309	ug/l	98
37) Ethyl Acetate	7.076	43	78272	47.582	ug/l	96
38) Carbon Tetrachloride	7.905	117	167108	51.704	ug/l	98
39) Methylcyclohexane	9.185	83	171177	53.097	ug/l	94
40) Benzene	8.161	78	432320	51.375	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	40244m	48.386	ug/l	
42) 1,2-Dichloroethane	8.240	62	129849	49.894	ug/l	95
43) Isopropyl Acetate	8.277	43	143386	48.318	ug/l	92
44) Trichloroethene	8.941	130	116096	51.276	ug/l	95
45) 1,2-Dichloropropane	9.216	63	108406	50.399	ug/l	96
46) Dibromomethane	9.307	93	59653	49.600	ug/l	96
47) Bromodichloromethane	9.496	83	155441	51.311	ug/l	98
48) Methyl methacrylate	9.295	41	65518	49.706	ug/l #	86
49) 1,4-Dioxane	9.295	88	15198	1020.405	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	399914	242.422	ug/l	92
52) Toluene	10.246	92	274182	51.524	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	155569	51.374	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	175501	51.517	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	85251	49.546	ug/l	98
56) Ethyl methacrylate	10.514	69	112348	52.500	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	145090	49.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	257837	246.017	ug/l	97
59) 2-Hexanone	10.831	43	296945	252.204	ug/l	91
60) Dibromochloromethane	10.984	129	107404	50.935	ug/l	99
61) 1,2-Dibromoethane	11.093	107	78463	49.959	ug/l	100
64) Tetrachloroethene	10.721	164	113496	51.488	ug/l	97
65) Chlorobenzene	11.520	112	290587	51.878	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	113094	53.271	ug/l	98
67) Ethyl Benzene	11.593	91	538682	53.262	ug/l	98
68) m/p-Xylenes	11.703	106	409962	106.483	ug/l	97
69) o-Xylene	12.032	106	194844	54.358	ug/l	97
70) Styrene	12.044	104	333408	54.491	ug/l	97
71) Bromoform	12.209	173	66536	51.515	ug/l #	98
73) Isopropylbenzene	12.331	105	536271	55.973	ug/l	99
74) N-amyl acetate	12.148	43	123995	52.408	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	94356	49.978	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	64383m	45.128	ug/l	
77) Bromobenzene	12.611	156	119073	53.225	ug/l	97
78) n-propylbenzene	12.672	91	643740	55.074	ug/l	99
79) 2-Chlorotoluene	12.758	91	358617	54.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	453022	56.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	33750	51.816	ug/l	90
82) 4-Chlorotoluene	12.855	91	368832	53.542	ug/l	100
83) tert-Butylbenzene	13.075	119	399181	56.745	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	445432	55.842	ug/l	99
85) sec-Butylbenzene	13.258	105	584526	55.690	ug/l	100
86) p-Isopropyltoluene	13.373	119	492978	56.278	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	241541	53.039	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	235698	51.759	ug/l	98
89) n-Butylbenzene	13.696	91	452039	56.136	ug/l	100
90) Hexachloroethane	13.965	117	93491	52.852	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	211456	52.381	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15630	50.482	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	127729	57.044	ug/l	99
94) Hexachlorobutadiene	15.117	225	78969	56.737	ug/l	98
95) Naphthalene	15.239	128	242240	51.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	107866	56.212	ug/l	99

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

