

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016663.D
 Acq On : 16 Dec 2023 10:12
 Operator : SY/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 :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 00:35:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	229509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	359936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89263	47.600	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.200%		
35) Dibromofluoromethane	7.722	113	95441	49.434	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.860%		
50) Toluene-d8	10.185	98	366376	48.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.420%		
62) 4-Bromofluorobenzene	12.483	95	115811	46.807	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83869	46.888	ug/l	95
3) Chloromethane	2.113	50	128143	45.972	ug/l	99
4) Vinyl Chloride	2.253	62	152944	47.797	ug/l	97
5) Bromomethane	2.656	94	102040	44.554	ug/l	98
6) Chloroethane	2.796	64	96731	46.477	ug/l	93
7) Trichlorofluoromethane	3.131	101	169600	47.455	ug/l	100
8) Diethyl Ether	3.528	74	54246	48.591	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	105391	47.681	ug/l	94
10) Methyl Iodide	4.095	142	114125	49.610	ug/l	94
11) Tert butyl alcohol	4.948	59	30852	203.691	ug/l #	97
12) 1,1-Dichloroethene	3.875	96	98748	47.390	ug/l	91
13) Acrolein	3.729	56	23749	216.329	ug/l	100
14) Allyl chloride	4.485	41	135596	47.996	ug/l #	94
15) Acrylonitrile	5.167	53	109810	236.365	ug/l	97
16) Acetone	3.948	43	129693	298.009	ug/l	89
17) Carbon Disulfide	4.198	76	321502	48.783	ug/l	100
18) Methyl Acetate	4.479	43	83521	47.648	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	238259	48.766	ug/l	100
20) Methylene Chloride	4.722	84	111588	47.142	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	116489	47.984	ug/l	93
22) Diisopropyl ether	6.125	45	298216	49.253	ug/l	87
23) Vinyl Acetate	6.064	43	732441	245.501	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	188358	47.671	ug/l	96
25) 2-Butanone	6.984	43	164028	260.621	ug/l	92
26) 2,2-Dichloropropane	6.984	77	168549	48.047	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	126999	48.441	ug/l	91
28) Bromochloromethane	7.338	49	71915	51.354	ug/l	90
29) Tetrahydrofuran	7.350	42	87321	239.322	ug/l #	85
30) Chloroform	7.509	83	196544	47.830	ug/l	96
31) Cyclohexane	7.795	56	171529	46.288	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	177514	48.153	ug/l	98
36) 1,1-Dichloropropene	7.923	75	157623	49.292	ug/l	99
37) Ethyl Acetate	7.076	43	62417	47.365	ug/l	95
38) Carbon Tetrachloride	7.905	117	157387	48.999	ug/l	95
39) Methylcyclohexane	9.185	83	200126	49.794	ug/l	94
40) Benzene	8.161	78	452806	48.314	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32503m	48.965	ug/l	
42) 1,2-Dichloroethane	8.240	62	116603	48.678	ug/l	93
43) Isopropyl Acetate	8.277	43	116793	48.223	ug/l #	88
44) Trichloroethene	8.947	130	124294	47.619	ug/l	98
45) 1,2-Dichloropropane	9.222	63	107927	49.293	ug/l	97
46) Dibromomethane	9.307	93	59917	49.483	ug/l	94
47) Bromodichloromethane	9.502	83	149675	48.923	ug/l	99
48) Methyl methacrylate	9.295	41	65942	49.170	ug/l #	85
49) 1,4-Dioxane	9.295	88	12604	971.724	ug/l #	65
51) 4-Methyl-2-Pentanone	10.075	43	310649	244.565	ug/l	90
52) Toluene	10.246	92	288339	49.115	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	141112	48.893	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	170127	49.026	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	82066	48.235	ug/l	99
56) Ethyl methacrylate	10.514	69	75497	51.181	ug/l #	81
57) 1,3-Dichloropropane	10.795	76	137826	48.676	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	209215	206.444	ug/l	95
59) 2-Hexanone	10.837	43	250993	240.856	ug/l	86
60) Dibromochloromethane	10.990	129	100837	48.904	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77026	48.237	ug/l	99
64) Tetrachloroethene	10.727	164	122813	48.006	ug/l	98
65) Chlorobenzene	11.520	112	296642	48.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	109670	49.234	ug/l	98
67) Ethyl Benzene	11.599	91	544172	49.661	ug/l	96
68) m/p-Xylenes	11.703	106	419649	99.269	ug/l	92
69) o-Xylene	12.032	106	192428	49.765	ug/l	96
70) Styrene	12.050	104	283284	50.566	ug/l	96
71) Bromoform	12.215	173	58328	48.285	ug/l #	99
73) Isopropylbenzene	12.331	105	521550	49.388	ug/l	99
74) N-amyl acetate	12.148	43	95529	48.263	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.587	83	85580	47.635	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	59822m	43.500	ug/l	
77) Bromobenzene	12.611	156	119527	48.310	ug/l	92
78) n-propylbenzene	12.672	91	624495	49.475	ug/l	100
79) 2-Chlorotoluene	12.764	91	331706	47.856	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	420485	49.797	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	28755	47.783	ug/l	91
82) 4-Chlorotoluene	12.855	91	351654	49.061	ug/l	97
83) tert-Butylbenzene	13.081	119	372104	50.502	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	417800	49.889	ug/l	97
85) sec-Butylbenzene	13.258	105	541938	50.126	ug/l	99
86) p-Isopropyltoluene	13.373	119	471449	51.074	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	234092	48.680	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	226850	47.975	ug/l	99
89) n-Butylbenzene	13.703	91	439044	51.200	ug/l	98
90) Hexachloroethane	13.965	117	88126	47.966	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	198743	48.168	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11681	44.922	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	111718	50.124	ug/l	100
94) Hexachlorobutadiene	15.117	225	63340	47.345	ug/l	99
95) Naphthalene	15.239	128	196516	50.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	90177	49.081	ug/l	100

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

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