

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032724\
 Data File : VY017786.D
 Acq On : 27 Mar 2024 17:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/28/2024
 Supervised By :Semsettin Yesilyurt 03/28/2024

Quant Time: Mar 28 02:19:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	125611	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	211216	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	184652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	62105	56.753	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.500%			
35) Dibromofluoromethane	7.722	113	62893	49.814	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.620%			
50) Toluene-d8	10.185	98	239381	49.540	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.483	95	75008	51.694	ug/l	-0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42053	38.779	ug/l	95
3) Chloromethane	2.113	50	71854	51.148	ug/l	98
4) Vinyl Chloride	2.247	62	99500	58.579	ug/l	97
5) Bromomethane	2.650	94	80843	60.956	ug/l	96
6) Chloroethane	2.796	64	69307	61.053	ug/l	100
7) Trichlorofluoromethane	3.125	101	83184	46.464	ug/l	90
8) Diethyl Ether	3.534	74	30038	50.891	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	60314	47.325	ug/l	96
10) Methyl Iodide	4.094	142	69903	44.870	ug/l	98
11) Tert butyl alcohol	4.948	59	20565	282.539	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	57973	48.360	ug/l	91
13) Acrolein	3.729	56	22899	260.993	ug/l	99
14) Allyl chloride	4.485	41	86865	53.467	ug/l	95
15) Acrylonitrile	5.155	53	70724	289.246	ug/l	99
16) Acetone	3.942	43	63907	333.887	ug/l	91
17) Carbon Disulfide	4.198	76	185945	46.356	ug/l	96
18) Methyl Acetate	4.472	43	31066	64.465	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	142984	55.318	ug/l	99
20) Methylene Chloride	4.722	84	71285	51.210	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	67600	49.464	ug/l	94
22) Diisopropyl ether	6.118	45	199773	56.475	ug/l	93
23) Vinyl Acetate	6.064	43	610504	293.843	ug/l	94
24) 1,1-Dichloroethane	6.021	63	119964	51.596	ug/l	97
25) 2-Butanone	6.984	43	94581	289.594	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	98103	49.639	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	78058	50.495	ug/l	92
28) Bromochloromethane	7.338	49	51516	57.153	ug/l	83
29) Tetrahydrofuran	7.350	42	58700	286.407	ug/l	89
30) Chloroform	7.508	83	120599	50.034	ug/l	100
31) Cyclohexane	7.789	56	104677	48.365	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	101053	48.140	ug/l	95
36) 1,1-Dichloropropene	7.923	75	90869	46.587	ug/l	97
37) Ethyl Acetate	7.076	43	42459	56.649	ug/l	96
38) Carbon Tetrachloride	7.905	117	93150	45.609	ug/l	99
39) Methylcyclohexane	9.185	83	115192	46.005	ug/l	93
40) Benzene	8.167	78	281052	48.136	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25088m	67.763	ug/l	
42) 1,2-Dichloroethane	8.240	62	71178	50.897	ug/l	97
43) Isopropyl Acetate	8.277	43	77138	51.992	ug/l	93
44) Trichloroethene	8.941	130	64591	42.294	ug/l	97
45) 1,2-Dichloropropane	9.222	63	66222	49.779	ug/l	99
46) Dibromomethane	9.307	93	35942	48.484	ug/l	94
47) Bromodichloromethane	9.502	83	91802	48.431	ug/l	97
48) Methyl methacrylate	9.295	41	35025	50.758	ug/l	91
49) 1,4-Dioxane	9.301	88	8226	1140.418	ug/l #	97
51) 4-Methyl-2-Pentanone	10.075	43	206962	259.486	ug/l	95
52) Toluene	10.246	92	171966	47.664	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	83248	50.218	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	100408	49.583	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	45405	47.879	ug/l	91
56) Ethyl methacrylate	10.514	69	64194	48.192	ug/l #	86
57) 1,3-Dichloropropane	10.794	76	81100	49.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	166804	249.107	ug/l	96
59) 2-Hexanone	10.837	43	149048	265.286	ug/l	93
60) Dibromochloromethane	10.989	129	57987	45.714	ug/l	99
61) 1,2-Dibromoethane	11.093	107	43674	49.054	ug/l	97
64) Tetrachloroethene	10.721	164	76045	44.532	ug/l	97
65) Chlorobenzene	11.520	112	185537	46.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	61209	46.113	ug/l	99
67) Ethyl Benzene	11.593	91	323742	47.424	ug/l	100
68) m/p-Xylenes	11.703	106	248958	94.011	ug/l	96
69) o-Xylene	12.032	106	115232	47.661	ug/l	98
70) Styrene	12.050	104	200056	49.717	ug/l	99
71) Bromoform	12.209	173	32432	46.394	ug/l #	96
73) Isopropylbenzene	12.331	105	300222	45.608	ug/l	99
74) N-amyl acetate	12.148	43	67369	49.798	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.587	83	49049	48.393	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	35902m	44.597	ug/l	
77) Bromobenzene	12.611	156	67415	44.982	ug/l	94
78) n-propylbenzene	12.678	91	365908	45.919	ug/l	100
79) 2-Chlorotoluene	12.757	91	200168	45.807	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	239652	46.506	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	17734	50.903	ug/l	94
82) 4-Chlorotoluene	12.861	91	207893	46.368	ug/l	100
83) tert-Butylbenzene	13.081	119	213455	45.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	238877	47.285	ug/l	99
85) sec-Butylbenzene	13.257	105	307175	43.951	ug/l	99
86) p-Isopropyltoluene	13.373	119	273739	47.171	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	135724	44.690	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	132323	45.386	ug/l	98
89) n-Butylbenzene	13.702	91	255426	48.651	ug/l	99
90) Hexachloroethane	13.965	117	49278	41.641	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	114487	45.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6635	49.596	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	60430	49.585	ug/l	99
94) Hexachlorobutadiene	15.117	225	34525	44.133	ug/l	98
95) Naphthalene	15.239	128	105930	47.161	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	50832	50.517	ug/l	99

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

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