

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017489.D
 Acq On : 27 Feb 2024 10:20
 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 : Semsettin Yesilyurt 02/28/2024
 Supervised By : Mahesh Dadoda 02/28/2024

Quant Time: Feb 28 00:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	157059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	217823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71018	47.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.420%		
35) Dibromofluoromethane	7.722	113	82678	48.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.000%		
50) Toluene-d8	10.185	98	311213	52.749	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.500%		
62) 4-Bromofluorobenzene	12.483	95	97967	52.836	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	55011	47.482	ug/l	99
3) Chloromethane	2.119	50	91423	43.188	ug/l	97
4) Vinyl Chloride	2.253	62	119141	43.871	ug/l	96
5) Bromomethane	2.656	94	98833	44.659	ug/l	97
6) Chloroethane	2.796	64	78198	45.645	ug/l	100
7) Trichlorofluoromethane	3.131	101	129408	46.755	ug/l	96
8) Diethyl Ether	3.534	74	40771	50.223	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	80438	50.526	ug/l	97
10) Methyl Iodide	4.101	142	93494	52.328	ug/l	98
11) Tert butyl alcohol	4.966	59	22897	181.092	ug/l	99
12) 1,1-Dichloroethene	3.881	96	76193	51.354	ug/l	93
13) Acrolein	3.735	56	46833	280.720	ug/l	97
14) Allyl chloride	4.485	41	90023	50.216	ug/l	96
15) Acrylonitrile	5.168	53	84889	254.378	ug/l	100
16) Acetone	3.954	43	95189	329.707	ug/l	100
17) Carbon Disulfide	4.204	76	223541	50.196	ug/l	98
18) Methyl Acetate	4.485	43	36686	52.377	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	179261	51.837	ug/l	100
20) Methylene Chloride	4.722	84	89595	53.167	ug/l	95
21) trans-1,2-Dichloroethene	5.229	96	91279	52.544	ug/l	96
22) Diisopropyl ether	6.125	45	218513	52.821	ug/l	96
23) Vinyl Acetate	6.064	43	646031	262.069	ug/l	98
24) 1,1-Dichloroethane	6.021	63	144708	51.202	ug/l	99
25) 2-Butanone	6.990	43	120583	293.072	ug/l	99
26) 2,2-Dichloropropane	6.984	77	121015	50.928	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	104078	53.360	ug/l	96
28) Bromochloromethane	7.338	49	58297	52.375	ug/l	93
29) Tetrahydrofuran	7.350	42	63930	257.759	ug/l	98
30) Chloroform	7.509	83	158618	52.714	ug/l	100
31) Cyclohexane	7.789	56	117724	48.598	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	133779	51.210	ug/l	98
36) 1,1-Dichloropropene	7.923	75	118236	51.933	ug/l	99
37) Ethyl Acetate	7.076	43	46319	51.511	ug/l	98
38) Carbon Tetrachloride	7.905	117	121610	53.296	ug/l	97
39) Methylcyclohexane	9.185	83	145467	53.166	ug/l	98
40) Benzene	8.167	78	359699	53.200	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23089m	51.168	ug/l	
42) 1,2-Dichloroethane	8.240	62	86042	52.158	ug/l	98
43) Isopropyl Acetate	8.277	43	81828	51.785	ug/l	98
44) Trichloroethene	8.941	130	102147	52.416	ug/l	99
45) 1,2-Dichloropropane	9.222	63	84985	52.832	ug/l	99
46) Dibromomethane	9.307	93	49604	53.882	ug/l	95
47) Bromodichloromethane	9.502	83	120828	54.055	ug/l	95
48) Methyl methacrylate	9.295	41	38596	52.769	ug/l	96
49) 1,4-Dioxane	9.301	88	10554	1012.997	ug/l #	92
51) 4-Methyl-2-Pentanone	10.075	43	234014	265.724	ug/l	98
52) Toluene	10.246	92	230299	54.031	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	111634	53.806	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	136101	53.987	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	70163	53.679	ug/l	97
56) Ethyl methacrylate	10.514	69	80836	50.257	ug/l	96
57) 1,3-Dichloropropane	10.795	76	112671	53.018	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	211053	279.818	ug/l	97
59) 2-Hexanone	10.837	43	185220	306.193	ug/l	98
60) Dibromochloromethane	10.990	129	86311	55.818	ug/l	99
61) 1,2-Dibromoethane	11.093	107	65687	54.533	ug/l	99
64) Tetrachloroethene	10.727	164	103612	49.558	ug/l	98
65) Chlorobenzene	11.520	112	248829	53.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	94160	54.362	ug/l	99
67) Ethyl Benzene	11.599	91	442537	54.578	ug/l	98
68) m/p-Xylenes	11.703	106	350870	110.125	ug/l	98
69) o-Xylene	12.032	106	164216	55.556	ug/l	97
70) Styrene	12.050	104	274200	55.886	ug/l	98
71) Bromoform	12.215	173	54140	56.405	ug/l #	97
73) Isopropylbenzene	12.337	105	425692	52.731	ug/l	100
74) N-amyl acetate	12.148	43	73562	51.665	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	75736	54.632	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	50107m	48.532	ug/l	
77) Bromobenzene	12.611	156	103820	53.105	ug/l	93
78) n-propylbenzene	12.678	91	518468	53.524	ug/l	98
79) 2-Chlorotoluene	12.758	91	279553	51.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	347644	53.751	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	22283	49.592	ug/l	98
82) 4-Chlorotoluene	12.861	91	289740	52.233	ug/l	98
83) tert-Butylbenzene	13.081	119	305620	53.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	346296	54.234	ug/l	99
85) sec-Butylbenzene	13.258	105	463271	53.353	ug/l	99
86) p-Isopropyltoluene	13.373	119	388598	54.670	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	209112	53.289	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	201396	52.790	ug/l	99
89) n-Butylbenzene	13.703	91	348219	53.694	ug/l	99
90) Hexachloroethane	13.965	117	75654	53.089	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	176644	53.218	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10017	51.399	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	101561	57.928	ug/l	99
94) Hexachlorobutadiene	15.117	225	60782	56.152	ug/l	99
95) Naphthalene	15.239	128	173149	50.893	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	86779	57.697	ug/l	99

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

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