

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
 Data File : VY016938.D
 Acq On : 08 Jan 2024 17:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024
 Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 06:37:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	125830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	217750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	187953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	82657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	64527	51.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.760%			
35) Dibromofluoromethane	7.740	113	69685	50.220	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.197	98	242508	50.753	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.495	95	80574	49.981	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	41759	43.585	ug/l	95
3) Chloromethane	2.125	50	70178	47.477	ug/l	100
4) Vinyl Chloride	2.265	62	82621	47.387	ug/l	98
5) Bromomethane	2.668	94	60998	48.834	ug/l	95
6) Chloroethane	2.814	64	57290	48.575	ug/l	100
7) Trichlorofluoromethane	3.149	101	103701	48.271	ug/l	95
8) Diethyl Ether	3.546	74	36754	53.534	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	68699	49.182	ug/l	99
10) Methyl Iodide	4.119	142	58068	48.865	ug/l	97
11) Tert butyl alcohol	4.984	59	23954	267.027	ug/l	98
12) 1,1-Dichloroethene	3.899	96	59155	49.358	ug/l	97
13) Acrolein	3.753	56	30539	224.372	ug/l	99
14) Allyl chloride	4.503	41	100321	52.949	ug/l	99
15) Acrylonitrile	5.186	53	85504	266.258	ug/l	99
16) Acetone	3.966	43	76585	249.843	ug/l	97
17) Carbon Disulfide	4.222	76	136068	47.515	ug/l	99
18) Methyl Acetate	4.503	43	80823	60.659	ug/l	99
19) Methyl tert-butyl Ether	5.247	73	171777	55.092	ug/l	100
20) Methylene Chloride	4.747	84	82402	51.671	ug/l	98
21) trans-1,2-Dichloroethene	5.247	96	69325	50.505	ug/l	98
22) Diisopropyl ether	6.143	45	245988	56.158	ug/l	95
23) Vinyl Acetate	6.082	43	528261	263.018	ug/l	100
24) 1,1-Dichloroethane	6.045	63	138353	52.561	ug/l	100
25) 2-Butanone	7.008	43	112140	264.803	ug/l	100
26) 2,2-Dichloropropane	7.002	77	114935	50.360	ug/l	100
27) cis-1,2-Dichloroethene	7.008	96	87231	54.213	ug/l	100
28) Bromochloromethane	7.356	49	55500	56.163	ug/l	100
29) Tetrahydrofuran	7.368	42	67418	267.839	ug/l	99
30) Chloroform	7.527	83	143581	52.932	ug/l	99
31) Cyclohexane	7.807	56	102611	48.072	ug/l	99
32) 1,1,1-Trichloroethane	7.722	97	118195	51.389	ug/l	99
36) 1,1-Dichloropropene	7.935	75	98710	48.813	ug/l	100
37) Ethyl Acetate	7.100	43	46717	50.836	ug/l	99
38) Carbon Tetrachloride	7.923	117	99783	48.567	ug/l	98
39) Methylcyclohexane	9.203	83	113624	49.981	ug/l	98
40) Benzene	8.179	78	308422	50.843	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	27577	56.978	ug/l	95
42) 1,2-Dichloroethane	8.252	62	81797	50.792	ug/l	100
43) Isopropyl Acetate	8.289	43	90953	51.683	ug/l	99
44) Trichloroethene	8.959	130	77945	50.496	ug/l	95
45) 1,2-Dichloropropane	9.234	63	81316	52.032	ug/l	99
46) Dibromomethane	9.319	93	40588	50.924	ug/l	99
47) Bromodichloromethane	9.514	83	110231	51.503	ug/l	97
48) Methyl methacrylate	9.307	41	50548	53.224	ug/l	97
49) 1,4-Dioxane	9.319	88	8375	1014.827	ug/l	88
51) 4-Methyl-2-Pentanone	10.081	43	248467	265.484	ug/l	100
52) Toluene	10.258	92	189195	51.679	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	99148	51.717	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	120519	52.347	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	59710	51.280	ug/l	99
56) Ethyl methacrylate	10.526	69	54076	54.830	ug/l	98
57) 1,3-Dichloropropane	10.807	76	101466	52.192	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	151979	245.243	ug/l	100
59) 2-Hexanone	10.843	43	171134	248.332	ug/l	100
60) Dibromochloromethane	10.996	129	70132	52.228	ug/l	98
61) 1,2-Dibromoethane	11.099	107	52638	52.031	ug/l	100
64) Tetrachloroethene	10.733	164	60797	49.894	ug/l	97
65) Chlorobenzene	11.526	112	200736	51.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	76631	51.485	ug/l	100
67) Ethyl Benzene	11.605	91	364378	51.692	ug/l	98
68) m/p-Xylenes	11.715	106	271324	104.862	ug/l	100
69) o-Xylene	12.044	106	127614	52.610	ug/l	100
70) Styrene	12.056	104	190182	53.871	ug/l	99
71) Bromoform	12.221	173	37420	51.070	ug/l #	97
73) Isopropylbenzene	12.343	105	355292	52.637	ug/l	100
74) N-amyl acetate	12.154	43	72180	53.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	68689	49.945	ug/l	97
76) 1,2,3-Trichloropropane	12.648	75	47666m	53.141	ug/l	
77) Bromobenzene	12.623	156	74548	50.163	ug/l	100
78) n-propylbenzene	12.684	91	426133	51.931	ug/l	99
79) 2-Chlorotoluene	12.770	91	231309	50.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	281766	52.782	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	20069	50.806	ug/l	95
82) 4-Chlorotoluene	12.867	91	236860	50.951	ug/l	99
83) tert-Butylbenzene	13.087	119	246718	52.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	277154	52.719	ug/l	98
85) sec-Butylbenzene	13.263	105	363826	52.222	ug/l	100
86) p-Isopropyltoluene	13.379	119	303647	52.810	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	147467	50.596	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	144214	50.589	ug/l	100
89) n-Butylbenzene	13.709	91	293192	53.035	ug/l	100
90) Hexachloroethane	13.971	117	62836	50.857	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	126543	50.240	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8574	49.716	ug/l	98
93) 1,2,4-Trichlorobenzene	15.019	180	68549	54.806	ug/l	98
94) Hexachlorobutadiene	15.123	225	38828	49.555	ug/l	99
95) Naphthalene	15.251	128	127232	55.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	56841	53.522	ug/l	98

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

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