

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022024\
 Data File : VY017419.D
 Acq On : 20 Feb 2024 13:42
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 20 15:04:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	151783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	246436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	211565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	60121	46.366	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.740%		
35) Dibromofluoromethane	7.734	113	66033	45.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.560%		
50) Toluene-d8	10.191	98	262142	46.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.489	95	76108	41.107	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	25188	20.811	ug/l	92
3) Chloromethane	2.119	50	47886	19.386	ug/l	99
4) Vinyl Chloride	2.260	62	66048	20.537	ug/l	97
5) Bromomethane	2.662	94	54723	21.371	ug/l	99
6) Chloroethane	2.802	64	42172	20.585	ug/l	97
7) Trichlorofluoromethane	3.137	101	55935	20.280	ug/l	94
8) Diethyl Ether	3.540	74	15882	20.373	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	32466	20.365	ug/l	99
10) Methyl Iodide	4.107	142	34550	20.365	ug/l	98
11) Tert butyl alcohol	4.979	59	8848	87.759	ug/l #	88
12) 1,1-Dichloroethene	3.893	96	30349	20.254	ug/l	98
13) Acrolein	3.741	56	13808	102.343	ug/l	100
14) Allyl chloride	4.497	41	36572	20.136	ug/l	98
15) Acrylonitrile	5.180	53	29948	96.628	ug/l	99
16) Acetone	3.960	43	26476	94.281	ug/l	92
17) Carbon Disulfide	4.210	76	98507	20.693	ug/l	98
18) Methyl Acetate	4.497	43	13369	20.994	ug/l	98
19) Methyl tert-butyl Ether	5.247	73	66827	19.744	ug/l	96
20) Methylene Chloride	4.735	84	38149	18.263	ug/l	99
21) trans-1,2-Dichloroethene	5.241	96	35709	20.604	ug/l	98
22) Diisopropyl ether	6.137	45	83784	20.057	ug/l	93
23) Vinyl Acetate	6.082	43	243121	97.931	ug/l	100
24) 1,1-Dichloroethane	6.039	63	58362	20.607	ug/l	96
25) 2-Butanone	7.003	43	37724	95.701	ug/l	95
26) 2,2-Dichloropropane	7.003	77	49738	20.411	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	38540	20.021	ug/l	98
28) Bromochloromethane	7.350	49	19937	18.763	ug/l	97
29) Tetrahydrofuran	7.368	42	22495	97.076	ug/l	98
30) Chloroform	7.521	83	61296	20.503	ug/l	97
31) Cyclohexane	7.801	56	51971	20.246	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	53210	20.151	ug/l	97
36) 1,1-Dichloropropene	7.935	75	48326	20.059	ug/l	98
37) Ethyl Acetate	7.094	43	16469	18.773	ug/l #	98
38) Carbon Tetrachloride	7.917	117	47442	19.778	ug/l	95
39) Methylcyclohexane	9.197	83	59067	20.029	ug/l	94
40) Benzene	8.179	78	142923	20.304	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	6666	15.559	ug/l #	78
42) 1,2-Dichloroethane	8.252	62	33449	19.576	ug/l	97
43) Isopropyl Acetate	8.289	43	30073	18.970	ug/l	99
44) Trichloroethene	8.953	130	38596	20.229	ug/l	96
45) 1,2-Dichloropropane	9.228	63	32274	19.835	ug/l	99
46) Dibromomethane	9.325	93	17842	19.292	ug/l	98
47) Bromodichloromethane	9.508	83	45076	19.823	ug/l	98
48) Methyl methacrylate	9.307	41	14329	19.264	ug/l	99
49) 1,4-Dioxane	9.307	88	3411	352.631	ug/l #	96
51) 4-Methyl-2-Pentanone	10.081	43	80427	94.153	ug/l	100
52) Toluene	10.258	92	87940	20.012	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	41081	19.511	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	50312	19.476	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	24402	19.176	ug/l	93
56) Ethyl methacrylate	10.520	69	26816	19.170	ug/l	96
57) 1,3-Dichloropropane	10.801	76	41200	19.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	67864	89.257	ug/l	99
59) 2-Hexanone	10.843	43	55982	95.147	ug/l	99
60) Dibromochloromethane	10.996	129	29449	19.468	ug/l	98
61) 1,2-Dibromoethane	11.099	107	22812	19.162	ug/l	97
64) Tetrachloroethene	10.734	164	33725	19.918	ug/l	98
65) Chlorobenzene	11.526	112	90728	19.906	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	32932	19.403	ug/l	98
67) Ethyl Benzene	11.605	91	159981	19.626	ug/l	98
68) m/p-Xylenes	11.715	106	125715	39.231	ug/l	100
69) o-Xylene	12.038	106	56908	19.358	ug/l	99
70) Styrene	12.057	104	95448	19.768	ug/l	98
71) Bromoform	12.221	173	16741	18.958	ug/l #	96
73) Isopropylbenzene	12.343	105	152405	20.821	ug/l	100
74) N-amyl acetate	12.154	43	24414	19.156	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	26494	20.252	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	17810m	19.384	ug/l	
77) Bromobenzene	12.617	156	33883	19.738	ug/l	99
78) n-propylbenzene	12.684	91	185945	21.002	ug/l	99
79) 2-Chlorotoluene	12.770	91	99882	20.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	121094	20.683	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	7727	19.608	ug/l	95
82) 4-Chlorotoluene	12.867	91	104372	20.747	ug/l	99
83) tert-Butylbenzene	13.087	119	107262	20.981	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	118877	20.496	ug/l	100
85) sec-Butylbenzene	13.264	105	164897	21.000	ug/l	100
86) p-Isopropyltoluene	13.379	119	132220	20.444	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	69476	20.040	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	66443	19.849	ug/l	99
89) n-Butylbenzene	13.709	91	122794	20.876	ug/l	99
90) Hexachloroethane	13.971	117	25282	19.950	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	58619	20.088	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3045	18.415	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	30993	20.313	ug/l	98
94) Hexachlorobutadiene	15.123	225	19230	20.722	ug/l	98
95) Naphthalene	15.245	128	48570	19.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	25470	19.856	ug/l	99

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

