

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017332.D
 Acq On : 09 Feb 2024 12:03
 Operator : SY/MD
 Sample : VY0209SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/12/2024
 Supervised By :Semsettin Yesilyurt 02/12/2024

Quant Time: Feb 09 22:00:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	118417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	168389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	76112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	48718	46.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.100%		
35) Dibromofluoromethane	7.722	113	52519	49.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.280%		
50) Toluene-d8	10.185	98	194509	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.489	95	62066	48.688	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19126	21.306	ug/l	96
3) Chloromethane	2.113	50	33826	20.975	ug/l	98
4) Vinyl Chloride	2.247	62	40395	20.555	ug/l	100
5) Bromomethane	2.644	94	28292	20.769	ug/l	93
6) Chloroethane	2.790	64	25911	20.420	ug/l	100
7) Trichlorofluoromethane	3.119	101	44783	22.161	ug/l	98
8) Diethyl Ether	3.528	74	12634	19.876	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	27579	22.514	ug/l	99
10) Methyl Iodide	4.088	142	23460	18.217	ug/l	99
11) Tert butyl alcohol	4.960	59	9363	94.927	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	23678	20.628	ug/l	98
13) Acrolein	3.723	56	8202	85.884	ug/l	98
14) Allyl chloride	4.472	41	35103	20.229	ug/l	97
15) Acrylonitrile	5.161	53	27345	95.547	ug/l	100
16) Acetone	3.942	43	32781	105.432	ug/l	96
17) Carbon Disulfide	4.192	76	61379	16.752	ug/l	99
18) Methyl Acetate	4.479	43	11281	16.264	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	52735	19.076	ug/l	97
20) Methylene Chloride	4.716	84	29709	21.321	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	26066	19.962	ug/l	95
22) Diisopropyl ether	6.125	45	79587	20.885	ug/l	98
23) Vinyl Acetate	6.064	43	227028	98.324	ug/l	98
24) 1,1-Dichloroethane	6.015	63	49474	21.193	ug/l	98
25) 2-Butanone	6.990	43	39122	94.650	ug/l	95
26) 2,2-Dichloropropane	6.984	77	41234	21.236	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	30414	20.825	ug/l	99
28) Bromochloromethane	7.338	49	14981	16.760	ug/l	99
29) Tetrahydrofuran	7.350	42	20885	89.447	ug/l	97
30) Chloroform	7.509	83	50680	21.581	ug/l	98
31) Cyclohexane	7.789	56	41122	19.286	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	43945	21.755	ug/l	99
36) 1,1-Dichloropropene	7.923	75	38921	21.111	ug/l	99
37) Ethyl Acetate	7.082	43	16372	19.146	ug/l	98
38) Carbon Tetrachloride	7.905	117	38193	21.636	ug/l	100
39) Methylcyclohexane	9.191	83	42931	19.932	ug/l	99
40) Benzene	8.167	78	111193	21.120	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8206	20.255	ug/l #	71
42) 1,2-Dichloroethane	8.240	62	28484	20.434	ug/l	99
43) Isopropyl Acetate	8.277	43	28319	18.708	ug/l #	86
44) Trichloroethene	8.941	130	28705	21.478	ug/l	99
45) 1,2-Dichloropropane	9.222	63	27259	21.079	ug/l	97
46) Dibromomethane	9.313	93	13910	19.912	ug/l	98
47) Bromodichloromethane	9.502	83	37111	21.228	ug/l	100
48) Methyl methacrylate	9.295	41	12802	18.031	ug/l	97
49) 1,4-Dioxane	9.307	88	2992	393.505	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	77385	95.370	ug/l	100
52) Toluene	10.252	92	68237	21.472	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	32756	19.947	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	40892	20.790	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	19319	20.327	ug/l	93
56) Ethyl methacrylate	10.514	69	21312	18.669	ug/l	95
57) 1,3-Dichloropropane	10.795	76	33779	20.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	54041	91.269	ug/l	100
59) 2-Hexanone	10.837	43	57429	97.878	ug/l	98
60) Dibromochloromethane	10.990	129	23211	20.817	ug/l	100
61) 1,2-Dibromoethane	11.093	107	17626	19.940	ug/l	98
64) Tetrachloroethene	10.727	164	24735	22.618	ug/l	98
65) Chlorobenzene	11.526	112	70819	21.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	26386	22.352	ug/l	99
67) Ethyl Benzene	11.599	91	128837	21.946	ug/l	98
68) m/p-Xylenes	11.709	106	98737	44.318	ug/l	99
69) o-Xylene	12.038	106	44814	21.843	ug/l	100
70) Styrene	12.050	104	74399	22.009	ug/l	99
71) Bromoform	12.215	173	12430	20.106	ug/l #	100
73) Isopropylbenzene	12.337	105	124093	22.193	ug/l	100
74) N-amyl acetate	12.148	43	23228	18.488	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	21172	19.252	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	12616m	17.959	ug/l	
77) Bromobenzene	12.617	156	25797	20.800	ug/l	99
78) n-propylbenzene	12.678	91	155720	22.676	ug/l	100
79) 2-Chlorotoluene	12.764	91	82829	21.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	99188	22.305	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	6161	18.223	ug/l	97
82) 4-Chlorotoluene	12.861	91	87284	22.463	ug/l	100
83) tert-Butylbenzene	13.081	119	85530	22.438	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	97899	22.303	ug/l	98
85) sec-Butylbenzene	13.257	105	137085	23.010	ug/l	98
86) p-Isopropyltoluene	13.373	119	107787	22.640	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	53684	21.697	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	52864	21.992	ug/l	98
89) n-Butylbenzene	13.703	91	106050	23.429	ug/l	99
90) Hexachloroethane	13.965	117	22639	23.163	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	46005	21.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2696	18.820	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	22904	21.892	ug/l	98
94) Hexachlorobutadiene	15.117	225	14809	24.033	ug/l	100
95) Naphthalene	15.245	128	36082	19.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	19528	21.946	ug/l	99

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

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