

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017400.D
 Acq On : 19 Feb 2024 09:52
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 19 12:03:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 19 11:54:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	152412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	249808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	212187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	11979	7.187	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	14.380%#		
35) Dibromofluoromethane	7.722	113	13125	8.322	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	16.640%#		
50) Toluene-d8	10.185	98	48025	7.945	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	15.900%#		
62) 4-Bromofluorobenzene	12.489	95	14808	7.998	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	16.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9921	7.947	ug/l	95
3) Chloromethane	2.119	50	19497	7.182	ug/l	96
4) Vinyl Chloride	2.253	62	26897	8.257	ug/l	98
5) Bromomethane	2.655	94	22071	9.421	ug/l	95
6) Chloroethane	2.796	64	17760	8.576	ug/l	100
7) Trichlorofluoromethane	3.125	101	26335	8.431	ug/l	96
8) Diethyl Ether	3.533	74	7982	8.759	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	17013	9.422	ug/l	97
10) Methyl Iodide	4.094	142	14859	8.320	ug/l	96
11) Tert butyl alcohol	4.948	59	6044	45.650	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	14776	8.843	ug/l	89
13) Acrolein	3.728	56	7480	44.208	ug/l	97
14) Allyl chloride	4.478	41	17928	6.941	ug/l	95
15) Acrylonitrile	5.167	53	16333	40.844	ug/l	99
16) Acetone	3.954	43	19701	43.856	ug/l	94
17) Carbon Disulfide	4.198	76	41067	7.900	ug/l	100
18) Methyl Acetate	4.484	43	6586	5.020	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	33840	8.438	ug/l	97
20) Methylene Chloride	4.728	84	20200	7.288	ug/l #	85
21) trans-1,2-Dichloroethene	5.228	96	16800	8.633	ug/l	96
22) Diisopropyl ether	6.130	45	41488	7.276	ug/l	97
23) Vinyl Acetate	6.069	43	104792m	34.531	ug/l	
24) 1,1-Dichloroethane	6.021	63	28689	8.279	ug/l	98
25) 2-Butanone	6.990	43	23774	40.586	ug/l	95
26) 2,2-Dichloropropane	6.990	77	24403	8.283	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	18755	8.630	ug/l	94
28) Bromochloromethane	7.344	49	11020	7.479	ug/l #	81
29) Tetrahydrofuran	7.362	42	12156	37.062	ug/l	88
30) Chloroform	7.514	83	30682	8.766	ug/l	99
31) Cyclohexane	7.795	56	24435	7.618	ug/l #	75
32) 1,1,1-Trichloroethane	7.709	97	26399	8.752	ug/l	97
36) 1,1-Dichloropropene	7.923	75	22918	8.687	ug/l	97
37) Ethyl Acetate	7.088	43	9082	7.884	ug/l #	94
38) Carbon Tetrachloride	7.904	117	23488	9.358	ug/l	99
39) Methylcyclohexane	9.191	83	25586	8.256	ug/l	94
40) Benzene	8.167	78	67947	8.953	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	4634	8.551	ug/l	87
42) 1,2-Dichloroethane	8.246	62	17032	8.616	ug/l	98
43) Isopropyl Acetate	8.282	43	16221	7.787	ug/l #	87
44) Trichloroethene	8.947	130	18590	9.690	ug/l	100
45) 1,2-Dichloropropane	9.221	63	16289	8.626	ug/l	100
46) Dibromomethane	9.313	93	9055	9.259	ug/l #	86
47) Bromodichloromethane	9.508	83	22635	9.198	ug/l	95
48) Methyl methacrylate	9.301	41	7150	6.800	ug/l	90
49) 1,4-Dioxane	9.307	88	1769	179.232	ug/l	92
51) 4-Methyl-2-Pentanone	10.081	43	43211	38.563	ug/l	93
52) Toluene	10.252	92	40138	8.780	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	19759	8.549	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	24326	8.640	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	13423	10.117	ug/l	95
56) Ethyl methacrylate	10.514	69	13057	9.561	ug/l	93
57) 1,3-Dichloropropane	10.794	76	20902	9.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	33036	37.049	ug/l	94
59) 2-Hexanone	10.837	43	31486	39.473	ug/l	91
60) Dibromochloromethane	10.989	129	15218	9.948	ug/l	98
61) 1,2-Dibromoethane	11.099	107	11521	9.431	ug/l	94
64) Tetrachloroethene	10.727	164	16268	10.324	ug/l	92
65) Chlorobenzene	11.520	112	44094	9.576	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	16214	9.639	ug/l	99
67) Ethyl Benzene	11.599	91	75208	8.843	ug/l	99
68) m/p-Xylenes	11.709	106	58306	18.294	ug/l	94
69) o-Xylene	12.038	106	26708	9.129	ug/l	92
70) Styrene	12.050	104	42617	9.497	ug/l	96
71) Bromoform	12.215	173	8726	10.729	ug/l #	100
73) Isopropylbenzene	12.337	105	70068	8.872	ug/l	99
74) N-amyl acetate	12.154	43	12122	7.187	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	13703	9.217	ug/l	99
76) 1,2,3-Trichloropropane	12.641	75	10018m	11.093	ug/l	
77) Bromobenzene	12.617	156	16441	9.696	ug/l	88
78) n-propylbenzene	12.678	91	84232	8.584	ug/l	97
79) 2-Chlorotoluene	12.763	91	47035	8.667	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	54934	8.716	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	3865	8.670	ug/l	97
82) 4-Chlorotoluene	12.861	91	49396	8.929	ug/l	98
83) tert-Butylbenzene	13.080	119	48253	8.920	ug/l	95
84) 1,2,4-Trimethylbenzene	13.129	105	53369	8.602	ug/l	97
85) sec-Butylbenzene	13.257	105	74395	8.999	ug/l	99
86) p-Isopropyltoluene	13.379	119	59753	8.847	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	33026	9.754	ug/l	97
88) 1,4-Dichlorobenzene	13.452	146	32542	9.826	ug/l	100
89) n-Butylbenzene	13.702	91	53597	8.310	ug/l	100
90) Hexachloroethane	13.970	117	12463	8.977	ug/l	86
91) 1,2-Dichlorobenzene	13.745	146	27443	9.640	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1632	8.838	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	12494	9.120	ug/l	99
94) Hexachlorobutadiene	15.117	225	8951	11.337	ug/l	96
95) Naphthalene	15.245	128	19443	7.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	10317	9.028	ug/l	96

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

