

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017407.D
 Acq On : 19 Feb 2024 16:40
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Feb 20 06:05:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 05:58:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	156256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	258649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	221007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	97636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	6850	5.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.260%#		
35) Dibromofluoromethane	7.728	113	7098	4.688	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.380%#		
50) Toluene-d8	10.191	98	26453	4.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.000%#		
62) 4-Bromofluorobenzene	12.489	95	7434	5.393	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7081	5.683	ug/l	97
3) Chloromethane	2.119	50	14590	5.738	ug/l	95
4) Vinyl Chloride	2.253	62	18895	5.707	ug/l	100
5) Bromomethane	2.662	94	16712	3.998	ug/l	94
6) Chloroethane	2.802	64	12357	5.859	ug/l	98
7) Trichlorofluoromethane	3.131	101	15118	5.324	ug/l	86
8) Diethyl Ether	3.527	74	4192	5.223	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.911	101	9007	5.488	ug/l	96
10) Methyl Iodide	4.107	142	7974	4.566	ug/l	98
11) Tert butyl alcohol	4.954	59	3424	32.989	ug/l #	88
12) 1,1-Dichloroethene	3.887	96	8239	5.341	ug/l	95
13) Acrolein	3.741	56	3875	27.899	ug/l	95
14) Allyl chloride	4.485	41	9838	5.262	ug/l	98
15) Acrylonitrile	5.173	53	8581	26.894	ug/l #	84
16) Acetone	3.960	43	8230	28.468	ug/l #	84
17) Carbon Disulfide	4.204	76	26579	5.423	ug/l	100
18) Methyl Acetate	4.485	43	3555	5.423	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	17126	4.915	ug/l	99
20) Methylene Chloride	4.728	84	19051	5.307	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	9000	5.044	ug/l	97
22) Diisopropyl ether	6.131	45	21456	4.989	ug/l	94
23) Vinyl Acetate	6.070	43	61888	24.215	ug/l	100
24) 1,1-Dichloroethane	6.027	63	15750	5.402	ug/l	99
25) 2-Butanone	6.996	43	10710	26.392	ug/l	90
26) 2,2-Dichloropropane	6.990	77	13327	5.312	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	10146	5.120	ug/l	97
28) Bromochloromethane	7.344	49	5957	5.446	ug/l	99
29) Tetrahydrofuran	7.362	42	5911	24.779	ug/l	96
30) Chloroform	7.514	83	16625	5.402	ug/l	96
31) Cyclohexane	7.795	56	15209	5.755	ug/l #	85
32) 1,1,1-Trichloroethane	7.716	97	14547	5.351	ug/l	99
36) 1,1-Dichloropropene	7.929	75	12816	5.068	ug/l	97
37) Ethyl Acetate	7.088	43	5104	5.543	ug/l #	95
38) Carbon Tetrachloride	7.911	117	12698	5.044	ug/l	97
39) Methylcyclohexane	9.191	83	14556	4.703	ug/l	95
40) Benzene	8.173	78	37578	5.086	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	2044m	4.546	ug/l	
42) 1,2-Dichloroethane	8.246	62	9595	5.350	ug/l	100
43) Isopropyl Acetate	8.283	43	7837	4.710	ug/l	98
44) Trichloroethene	8.947	130	10243	5.115	ug/l	100
45) 1,2-Dichloropropane	9.222	63	8446	4.946	ug/l	93
46) Dibromomethane	9.313	93	5035	5.187	ug/l	94
47) Bromodichloromethane	9.502	83	11988	5.023	ug/l	100
48) Methyl methacrylate	9.301	41	3532	4.524	ug/l	93
49) 1,4-Dioxane	9.301	88	885	87.172	ug/l #	92
51) 4-Methyl-2-Pentanone	10.081	43	21652	24.150	ug/l	98
52) Toluene	10.252	92	21751	4.716	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	10227	4.628	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	13399	4.942	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	6795	5.088	ug/l	96
56) Ethyl methacrylate	10.520	69	6053	7.032	ug/l	93
57) 1,3-Dichloropropane	10.794	76	10976	4.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	16743	20.981	ug/l	100
59) 2-Hexanone	10.837	43	13684	22.159	ug/l	96
60) Dibromochloromethane	10.989	129	7838	4.937	ug/l	99
61) 1,2-Dibromoethane	11.093	107	6070	4.858	ug/l	99
64) Tetrachloroethene	10.727	164	9176	5.188	ug/l	93
65) Chlorobenzene	11.526	112	24354	5.115	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	8637	4.871	ug/l	98
67) Ethyl Benzene	11.599	91	38906	4.569	ug/l	95
68) m/p-Xylenes	11.709	106	30675	9.164	ug/l	97
69) o-Xylene	12.038	106	13712	4.465	ug/l	98
70) Styrene	12.050	104	20910	4.146	ug/l	100
71) Bromoform	12.215	173	4387	4.756	ug/l #	94
73) Isopropylbenzene	12.337	105	35528	4.711	ug/l	99
74) N-amyl acetate	12.148	43	6023	4.587	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	7172	5.321	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	5072m	5.343	ug/l	
77) Bromobenzene	12.617	156	9046	5.114	ug/l	98
78) n-propylbenzene	12.678	91	42777	4.689	ug/l	99
79) 2-Chlorotoluene	12.764	91	24522	4.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	27874	4.621	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	1887	4.647	ug/l	90
82) 4-Chlorotoluene	12.861	91	25313	4.884	ug/l	99
83) tert-Butylbenzene	13.081	119	24353	4.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	26895	4.500	ug/l	100
85) sec-Butylbenzene	13.257	105	37851	4.678	ug/l	100
86) p-Isopropyltoluene	13.373	119	30045	4.509	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	17557	4.915	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	17646	5.116	ug/l	95
89) n-Butylbenzene	13.702	91	28100	4.636	ug/l	98
90) Hexachloroethane	13.971	117	6664	5.104	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	15501	5.156	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.367	75	874	5.130	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	7263	4.620	ug/l	99
94) Hexachlorobutadiene	15.123	225	4942	5.169	ug/l	96
95) Naphthalene	15.245	128	10177	6.778	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	6316	4.779	ug/l	97

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

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