

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010224\
 Data File : VY016887.D
 Acq On : 02 Jan 2024 11:06
 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 01/04/2024
 Supervised By :Semsettin Yesilyurt 01/04/2024

Quant Time: Jan 02 13:51:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 13:45:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	120970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	212806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	182585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	75005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7238	6.054	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.100%#		
35) Dibromofluoromethane	7.728	113	7590	5.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.200%#		
50) Toluene-d8	10.191	98	24201	5.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#		
62) 4-Bromofluorobenzene	12.489	95	8712	5.530	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5759	4.101	ug/l	99
3) Chloromethane	2.119	50	8344	5.872	ug/l	94
4) Vinyl Chloride	2.259	62	9416	5.617	ug/l	99
5) Bromomethane	2.662	94	6948	5.786	ug/l	98
6) Chloroethane	2.802	64	6474	5.710	ug/l	96
7) Trichlorofluoromethane	3.137	101	11100	5.374	ug/l	89
8) Diethyl Ether	3.540	74	3477	5.268	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.905	101	7493	5.580	ug/l	97
10) Methyl Iodide	4.101	142	5205	4.556	ug/l	98
11) Tert butyl alcohol	4.966	59	4195	17.328	ug/l #	84
12) 1,1-Dichloroethene	3.887	96	6099	5.293	ug/l	94
13) Acrolein	3.741	56	4201	25.146	ug/l #	83
14) Allyl chloride	4.485	41	9408	5.165	ug/l	99
15) Acrylonitrile	5.180	53	8653	28.028	ug/l	99
16) Acetone	3.954	43	12339	19.629	ug/l	95
17) Carbon Disulfide	4.210	76	14429	5.241	ug/l	95
18) Methyl Acetate	4.485	43	6513	5.085	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	15452	5.155	ug/l	93
20) Methylene Chloride	4.735	84	15195	3.129	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	7036	5.332	ug/l	94
22) Diisopropyl ether	6.137	45	21074	5.004	ug/l #	91
23) Vinyl Acetate	6.070	43	50169	25.982	ug/l	99
24) 1,1-Dichloroethane	6.033	63	13709	5.417	ug/l	98
25) 2-Butanone	6.996	43	13955	25.493	ug/l	99
26) 2,2-Dichloropropane	6.996	77	11782	5.370	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	7898	5.106	ug/l	93
28) Bromochloromethane	7.344	49	4541	4.780	ug/l #	98
29) Tetrahydrofuran	7.356	42	6522	26.952	ug/l	93
30) Chloroform	7.515	83	14116	5.413	ug/l	98
31) Cyclohexane	7.801	56	11818	5.759	ug/l #	76
32) 1,1,1-Trichloroethane	7.710	97	11600	5.246	ug/l	96
36) 1,1-Dichloropropene	7.929	75	10219	5.171	ug/l	96
37) Ethyl Acetate	7.088	43	4503	5.014	ug/l	99
38) Carbon Tetrachloride	7.905	117	10069	5.015	ug/l	99
39) Methylcyclohexane	9.191	83	10199	4.591	ug/l	91
40) Benzene	8.167	78	30007	5.062	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2454m	5.188	ug/l	
42) 1,2-Dichloroethane	8.246	62	8345	5.302	ug/l	100
43) Isopropyl Acetate	8.283	43	8955	5.207	ug/l	97
44) Trichloroethene	8.947	130	7434	4.928	ug/l	94
45) 1,2-Dichloropropane	9.222	63	7929	5.191	ug/l	97
46) Dibromomethane	9.319	93	3945	5.065	ug/l	97
47) Bromodichloromethane	9.502	83	10796	5.161	ug/l #	94
48) Methyl methacrylate	9.307	41	4380	4.719	ug/l	91
49) 1,4-Dioxane	9.307	88	876	108.614	ug/l	93
51) 4-Methyl-2-Pentanone	10.081	43	22486	24.584	ug/l	95
52) Toluene	10.252	92	17246	4.820	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	9086	4.850	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	10613	4.717	ug/l #	92
55) 1,1,2-Trichloroethane	10.654	97	5961	5.238	ug/l	94
56) Ethyl methacrylate	10.520	69	4389	4.554	ug/l	93
57) 1,3-Dichloropropane	10.801	76	10003	5.265	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.795	63	11296	34.762	ug/l	99
59) 2-Hexanone	10.843	43	17419	25.864	ug/l	95
60) Dibromochloromethane	10.996	129	6807	5.187	ug/l	98
61) 1,2-Dibromoethane	11.099	107	5081	5.139	ug/l	100
64) Tetrachloroethene	10.727	164	5820	4.917	ug/l	94
65) Chlorobenzene	11.526	112	18604	4.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	7101	4.911	ug/l	100
67) Ethyl Benzene	11.605	91	31350	4.578	ug/l	94
68) m/p-Xylenes	11.715	106	22012	8.757	ug/l	95
69) o-Xylene	12.038	106	10491	4.452	ug/l	100
70) Styrene	12.056	104	14345	4.183	ug/l	96
71) Bromoform	12.215	173	3509	4.930	ug/l #	100
73) Isopropylbenzene	12.337	105	27613	4.508	ug/l	99
74) N-amyl acetate	12.154	43	5751	4.673	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	6953	5.571	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	4494m	5.565	ug/l	
77) Bromobenzene	12.617	156	6721	4.984	ug/l	99
78) n-propylbenzene	12.684	91	34004	4.567	ug/l	98
79) 2-Chlorotoluene	12.770	91	19924	4.825	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	21391	4.416	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	1817	5.069	ug/l	96
82) 4-Chlorotoluene	12.861	91	20365	4.828	ug/l	99
83) tert-Butylbenzene	13.087	119	19579	4.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	21028	4.408	ug/l	100
85) sec-Butylbenzene	13.264	105	28893	4.570	ug/l	100
86) p-Isopropyltoluene	13.379	119	22408	4.295	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	13420	5.074	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	13132	5.077	ug/l	94
89) n-Butylbenzene	13.702	91	22097	4.405	ug/l	98
90) Hexachloroethane	13.971	117	5802	5.175	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	11744	5.138	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	870	5.559	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	4718	4.157	ug/l	97
94) Hexachlorobutadiene	15.123	225	3540	4.979	ug/l	94
95) Naphthalene	15.245	128	7705	4.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	4275	4.436	ug/l	95

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

