

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010522\
 Data File : VY007013.D
 Acq On : 05 Jan 2022 10:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/06/2022

Quant Time: Jan 06 04:27:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	176684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	292422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	256368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	113703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9681	4.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.780%#		
35) Dibromofluoromethane	7.721	113	9309	5.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.140%#		
50) Toluene-d8	10.184	98	35516	5.202	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.400%#		
62) 4-Bromofluorobenzene	12.489	95	13718	5.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.640%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	2875	1.778	ug/l	94
3) Chloromethane	2.119	50	9114	4.669	ug/l	98
4) Vinyl Chloride	2.265	62	7565	3.345	ug/l	95
5) Bromomethane	2.668	94	6361	4.280	ug/l	88
6) Chloroethane	2.808	64	5438	4.096	ug/l	96
7) Trichlorofluoromethane	3.137	101	10749	3.679	ug/l	98
8) Diethyl Ether	3.527	74	5573	5.280	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.917	101	10431	5.991	ug/l	98
10) Methyl Iodide	4.100	142	16053	7.821	ug/l	98
11) Tert butyl alcohol	4.954	59	4737	27.592	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	10910	6.140	ug/l	98
13) Acrolein	3.728	56	1373	14.396	ug/l #	81
14) Allyl chloride	4.484	41	15682	4.815	ug/l	95
15) Acrylonitrile	5.167	53	13069	23.676	ug/l	99
16) Acetone	3.954	43	11416	22.537	ug/l	96
17) Carbon Disulfide	4.204	76	32542	5.623	ug/l	99
18) Methyl Acetate	4.484	43	9133	4.956	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	20723	4.392	ug/l	98
20) Methylene Chloride	4.722	84	37039	16.234	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	11675	5.963	ug/l	89
22) Diisopropyl ether	6.124	45	32195	5.024	ug/l	98
23) Vinyl Acetate	6.063	43	90973	23.457	ug/l	98
24) 1,1-Dichloroethane	6.021	63	19570	5.514	ug/l	95
25) 2-Butanone	6.996	43	14783	20.469	ug/l	96
26) 2,2-Dichloropropane	6.984	77	17171	5.515	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	12359	5.653	ug/l	93
28) Bromochloromethane	7.337	49	6020	4.106	ug/l	100
29) Tetrahydrofuran	7.350	42	11051	23.042	ug/l	97
30) Chloroform	7.514	83	20266	5.667	ug/l	92
31) Cyclohexane	7.795	56	22544	6.089	ug/l #	83
32) 1,1,1-Trichloroethane	7.709	97	18933	5.796	ug/l	100
36) 1,1-Dichloropropene	7.923	75	17174	5.675	ug/l	100
37) Ethyl Acetate	7.075	43	7240	4.200	ug/l #	94
38) Carbon Tetrachloride	7.904	117	17720	5.570	ug/l	95
39) Methylcyclohexane	9.191	83	22155	5.805	ug/l	94
40) Benzene	8.167	78	45072	5.302	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	4176m	3.795	ug/l	
42) 1,2-Dichloroethane	8.246	62	13120	4.851	ug/l	97
43) Isopropyl Acetate	8.276	43	14483	4.392	ug/l	96
44) Trichloroethene	8.941	130	12416	5.569	ug/l	94
45) 1,2-Dichloropropane	9.221	63	10771	5.148	ug/l	99
46) Dibromomethane	9.307	93	6377	5.606	ug/l	95
47) Bromodichloromethane	9.502	83	15648	5.397	ug/l	99
48) Methyl methacrylate	9.300	41	6770	4.309	ug/l	96
49) 1,4-Dioxane	9.313	88	1340	95.622	ug/l #	86
51) 4-Methyl-2-Pentanone	10.075	43	33863	19.955	ug/l	99
52) Toluene	10.245	92	29122	5.489	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	16595	5.262	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	18857	5.443	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	8761	5.506	ug/l	91
56) Ethyl methacrylate	10.514	69	11412	4.770	ug/l	96
57) 1,3-Dichloropropane	10.794	76	14533	5.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	27748	24.196	ug/l	98
59) 2-Hexanone	10.837	43	22229	18.904	ug/l	98
60) Dibromochloromethane	10.989	129	10510	5.422	ug/l	96
61) 1,2-Dibromoethane	11.093	107	8474	5.555	ug/l	98
64) Tetrachloroethene	10.721	164	10281	4.941	ug/l	97
65) Chlorobenzene	11.520	112	30286	5.734	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	10391	5.368	ug/l	97
67) Ethyl Benzene	11.599	91	56264	5.673	ug/l	95
68) m/p-Xylenes	11.709	106	42652	11.319	ug/l	100
69) o-Xylene	12.032	106	20346	5.730	ug/l	96
70) Styrene	12.050	104	33122	5.495	ug/l	99
71) Bromoform	12.215	173	5755	4.803	ug/l #	98
73) Isopropylbenzene	12.337	105	53484	6.204	ug/l	99
74) N-amyl acetate	12.148	43	12023	4.648	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.586	83	9035	5.699	ug/l	98
76) 1,2,3-Trichloropropane	12.641	75	6844m	5.760	ug/l	
77) Bromobenzene	12.617	156	10994	5.499	ug/l	97
78) n-propylbenzene	12.678	91	65083	6.138	ug/l	99
79) 2-Chlorotoluene	12.763	91	36973	6.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	44519	6.194	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	4027	6.592	ug/l #	93
82) 4-Chlorotoluene	12.861	91	38612	6.321	ug/l	99
83) tert-Butylbenzene	13.080	119	39132	6.323	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	43821	6.180	ug/l	100
85) sec-Butylbenzene	13.257	105	57807	6.236	ug/l	99
86) p-Isopropyltoluene	13.373	119	46812	6.022	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	22466	5.726	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	22375	5.759	ug/l	95
89) n-Butylbenzene	13.702	91	45030	6.056	ug/l	99
90) Hexachloroethane	13.964	117	9374	6.523	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	19303	5.612	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1924	6.458	ug/l	81
93) 1,2,4-Trichlorobenzene	15.013	180	11486	5.137	ug/l	99
94) Hexachlorobutadiene	15.117	225	6320	4.498	ug/l	98
95) Naphthalene	15.245	128	23043	5.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	9681	4.899	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

