

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010755.D
 Acq On : 30 Sep 2022 17:24
 Operator : KP/MD
 Sample : VY0930SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0930SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/03/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 01 06:19:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	238989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	345263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	118412	51.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.600%			
35) Dibromofluoromethane	7.716	113	113993	46.721	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.440%			
50) Toluene-d8	10.179	98	429662	47.796	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.477	95	147515	43.742	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	26900	20.954	ug/l	95
3) Chloromethane	2.113	50	39064	21.414	ug/l	97
4) Vinyl Chloride	2.247	62	51394	22.319	ug/l	98
5) Bromomethane	2.638	94	37774	23.824	ug/l	95
6) Chloroethane	2.784	64	37758	22.428	ug/l	99
7) Trichlorofluoromethane	3.119	101	69962	22.279	ug/l	92
8) Diethyl Ether	3.522	74	23082	21.438	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	41310	21.858	ug/l	96
10) Methyl Iodide	4.089	142	46166	21.145	ug/l	91
11) Tert butyl alcohol	4.942	59	25588	119.256	ug/l	97
12) 1,1-Dichloroethene	3.863	96	36675	21.732	ug/l	85
13) Acrolein	3.723	56	8212	77.227	ug/l	96
14) Allyl chloride	4.473	41	55706	21.895	ug/l #	93
15) Acrylonitrile	5.161	53	66669	119.300	ug/l	97
16) Acetone	3.942	43	53818	115.452	ug/l	90
17) Carbon Disulfide	4.186	76	86812	23.958	ug/l	100
18) Methyl Acetate	4.473	43	39306	28.937	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	113282	21.531	ug/l	96
20) Methylene Chloride	4.710	84	55633	13.840	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	42170	22.206	ug/l	83
22) Diisopropyl ether	6.113	45	131825	21.950	ug/l #	95
23) Vinyl Acetate	6.052	43	381456	107.516	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	81080	22.494	ug/l	98
25) 2-Butanone	6.978	43	85390	117.112	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	74604	21.523	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	51498	21.766	ug/l	91
28) Bromochloromethane	7.332	49	19055	15.216	ug/l	85
29) Tetrahydrofuran	7.344	42	52690	117.656	ug/l #	83
30) Chloroform	7.503	83	86585	22.203	ug/l	100
31) Cyclohexane	7.783	56	63229	22.662	ug/l #	85
32) 1,1,1-Trichloroethane	7.698	97	75667	21.801	ug/l	97
36) 1,1-Dichloropropene	7.917	75	60124	22.116	ug/l	98
37) Ethyl Acetate	7.076	43	36557	23.281	ug/l #	94
38) Carbon Tetrachloride	7.893	117	67560	21.614	ug/l	96
39) Methylcyclohexane	9.179	83	67543	21.228	ug/l	90
40) Benzene	8.155	78	176559	21.786	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	20472m	25.561	ug/l	
42) 1,2-Dichloroethane	8.234	62	55359	22.183	ug/l	92
43) Isopropyl Acetate	8.271	43	65275	22.679	ug/l #	91
44) Trichloroethene	8.935	130	49902	21.510	ug/l	97
45) 1,2-Dichloropropane	9.216	63	45913	21.899	ug/l	94
46) Dibromomethane	9.301	93	27156	22.057	ug/l	98
47) Bromodichloromethane	9.496	83	66614	21.912	ug/l	97
48) Methyl methacrylate	9.289	41	28057	22.082	ug/l #	79
49) 1,4-Dioxane	9.295	88	7980	440.773	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	186509	114.774	ug/l	89
52) Toluene	10.240	92	114747	21.639	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	65935	21.450	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	73212	21.363	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	39655	21.897	ug/l	97
56) Ethyl methacrylate	10.508	69	50400	21.483	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	65631	21.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	99922	89.549	ug/l	95
59) 2-Hexanone	10.831	43	126531	114.878	ug/l	87
60) Dibromochloromethane	10.984	129	48758	22.001	ug/l	100
61) 1,2-Dibromoethane	11.087	107	37019	21.835	ug/l	98
64) Tetrachloroethene	10.715	164	48380	20.977	ug/l	97
65) Chlorobenzene	11.514	112	126359	21.165	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	49454	21.262	ug/l	97
67) Ethyl Benzene	11.587	91	219661	20.952	ug/l	99
68) m/p-Xylenes	11.703	106	170309	41.934	ug/l	94
69) o-Xylene	12.026	106	80919	20.436	ug/l	95
70) Styrene	12.044	104	140671	20.913	ug/l	96
71) Bromoform	12.203	173	31622	21.894	ug/l #	100
73) Isopropylbenzene	12.325	105	218631	20.625	ug/l	99
74) N-amyl acetate	12.142	43	53268	20.723	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	47255	21.877	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	33849m	20.677	ug/l	
77) Bromobenzene	12.605	156	52303	20.738	ug/l	95
78) n-propylbenzene	12.666	91	262377	20.781	ug/l	98
79) 2-Chlorotoluene	12.752	91	147792	20.543	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	185936	20.760	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	15898	21.593	ug/l	89
82) 4-Chlorotoluene	12.849	91	154517	20.800	ug/l	99
83) tert-Butylbenzene	13.075	119	165988	20.722	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	186725	20.985	ug/l	98
85) sec-Butylbenzene	13.252	105	242649	20.684	ug/l	100
86) p-Isopropyltoluene	13.367	119	197435	20.139	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	103239	20.167	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	102765	20.283	ug/l	98
89) n-Butylbenzene	13.690	91	183186	20.355	ug/l	99
90) Hexachloroethane	13.959	117	39824	21.158	ug/l	93
91) 1,2-Dichlorobenzene	13.733	146	93441	20.491	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8150	22.611	ug/l	80
93) 1,2,4-Trichlorobenzene	15.001	180	53788	19.336	ug/l	99
94) Hexachlorobutadiene	15.105	225	33846	20.018	ug/l	99
95) Naphthalene	15.233	128	110961	19.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47083	19.438	ug/l	98

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

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