

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010497.D
 Acq On : 14 Sep 2022 20:17
 Operator : KP/MD
 Sample : VY0914SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/15/2022
 Supervised By :Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 01:12:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	213552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	315803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110468	51.361	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.710	113	109670	45.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.000%			
50) Toluene-d8	10.179	98	393939	49.876	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.477	95	149144	47.307	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	36558	22.408	ug/l	94
3) Chloromethane	2.107	50	56145	23.401	ug/l	98
4) Vinyl Chloride	2.241	62	67567	22.827	ug/l	100
5) Bromomethane	2.631	94	45096	21.747	ug/l	97
6) Chloroethane	2.784	64	44308	22.379	ug/l	97
7) Trichlorofluoromethane	3.113	101	80877	21.570	ug/l	95
8) Diethyl Ether	3.521	74	27286	22.470	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.887	101	46407	21.140	ug/l	97
10) Methyl Iodide	4.076	142	53799	19.804	ug/l	92
11) Tert butyl alcohol	4.948	59	27177	96.293	ug/l	99
12) 1,1-Dichloroethene	3.863	96	43773	21.255	ug/l	84
13) Acrolein	3.716	56	16967	82.690	ug/l	97
14) Allyl chloride	4.466	41	63702	21.480	ug/l #	95
15) Acrylonitrile	5.155	53	65832	111.990	ug/l	97
16) Acetone	3.936	43	53425	108.237	ug/l	94
17) Carbon Disulfide	4.180	76	116888	20.988	ug/l	98
18) Methyl Acetate	4.466	43	35711	23.517	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	121394	21.345	ug/l	95
20) Methylene Chloride	4.704	84	82250	31.928	ug/l #	85
21) trans-1,2-Dichloroethene	5.210	96	49172	21.028	ug/l	87
22) Diisopropyl ether	6.112	45	144154	21.773	ug/l #	91
23) Vinyl Acetate	6.051	43	424093	104.524	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	88347	22.041	ug/l	98
25) 2-Butanone	6.978	43	84991	108.348	ug/l #	82
26) 2,2-Dichloropropane	6.972	77	75632	19.774	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	58400	21.485	ug/l	88
28) Bromochloromethane	7.326	49	22867	17.794	ug/l #	83
29) Tetrahydrofuran	7.344	42	53275	108.819	ug/l #	84
30) Chloroform	7.502	83	93347	21.955	ug/l	98
31) Cyclohexane	7.777	56	76285	20.995	ug/l	86
32) 1,1,1-Trichloroethane	7.697	97	84452	21.936	ug/l	97
36) 1,1-Dichloropropene	7.911	75	68835	20.632	ug/l	97
37) Ethyl Acetate	7.070	43	37412	21.331	ug/l #	93
38) Carbon Tetrachloride	7.893	117	76253	20.543	ug/l	97
39) Methylcyclohexane	9.179	83	84973	20.426	ug/l	88
40) Benzene	8.155	78	200929	20.921	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	18356	18.307	ug/l #	52
42) 1,2-Dichloroethane	8.234	62	60077	21.035	ug/l	92
43) Isopropyl Acetate	8.271	43	64646	20.140	ug/l #	89
44) Trichloroethene	8.935	130	57922	20.488	ug/l	98
45) 1,2-Dichloropropane	9.216	63	49883	21.296	ug/l	96
46) Dibromomethane	9.301	93	29998	21.237	ug/l	98
47) Bromodichloromethane	9.490	83	72010	21.462	ug/l	98
48) Methyl methacrylate	9.289	41	30154	20.918	ug/l #	82
49) 1,4-Dioxane	9.295	88	7723	413.024	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	186081	105.692	ug/l	89
52) Toluene	10.240	92	133813	21.291	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	70711	20.479	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	80283	20.615	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	42168	20.986	ug/l	98
56) Ethyl methacrylate	10.508	69	55020	20.850	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	71019	21.256	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	117459	150.463	ug/l	94
59) 2-Hexanone	10.831	43	124624	103.843	ug/l	88
60) Dibromochloromethane	10.983	129	51556	20.996	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41024	21.032	ug/l	99
64) Tetrachloroethene	10.715	164	55786	19.598	ug/l	98
65) Chlorobenzene	11.514	112	142687	20.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	57292	21.903	ug/l	94
67) Ethyl Benzene	11.587	91	252948	20.237	ug/l	95
68) m/p-Xylenes	11.697	106	197720	40.292	ug/l	94
69) o-Xylene	12.026	106	97584	20.826	ug/l	92
70) Styrene	12.044	104	163173	20.576	ug/l	96
71) Bromoform	12.203	173	32972	20.162	ug/l #	99
73) Isopropylbenzene	12.325	105	258458	20.191	ug/l	99
74) N-amyl acetate	12.142	43	56847	19.033	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	47708	19.923	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	35775m	19.757	ug/l	
77) Bromobenzene	12.605	156	61103	20.144	ug/l	91
78) n-propylbenzene	12.666	91	301892	19.916	ug/l	97
79) 2-Chlorotoluene	12.751	91	170481	20.021	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	214813	19.889	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	50927	62.448	ug/l #	40
82) 4-Chlorotoluene	12.849	91	173955	19.638	ug/l	91
83) tert-Butylbenzene	13.075	119	199065	21.087	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	225869	21.373	ug/l	99
85) sec-Butylbenzene	13.251	105	276276	19.764	ug/l	98
86) p-Isopropyltoluene	13.367	119	231454	19.575	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	118786	19.502	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	116192	19.264	ug/l	99
89) n-Butylbenzene	13.696	91	220031	20.501	ug/l	98
90) Hexachloroethane	13.959	117	43225	19.470	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	106181	19.682	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8075	19.978	ug/l	74
93) 1,2,4-Trichlorobenzene	15.001	180	64138	19.142	ug/l	98
94) Hexachlorobutadiene	15.111	225	37779	18.687	ug/l	98
95) Naphthalene	15.233	128	172073	26.037	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.422	180	55962	19.133	ug/l	96

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

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