

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011015.D
 Acq On : 20 Oct 2022 11:21
 Operator : KP/MD
 Sample : VY1020SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Oct 20 22:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	277174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	450686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	401484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	117837	46.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.300%
35) Dibromofluoromethane	7.716	113	123153	48.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.960%
50) Toluene-d8	10.179	98	438871	46.637	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.483	95	158318	47.330	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.660%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	36106	19.639	ug/l	97
3) Chloromethane	2.113	50	51888	19.672	ug/l	96
4) Vinyl Chloride	2.253	62	62386	20.868	ug/l	99
5) Bromomethane	2.644	94	45389	21.951	ug/l	99
6) Chloroethane	2.790	64	42913	21.480	ug/l	100
7) Trichlorofluoromethane	3.125	101	93448	21.356	ug/l	95
8) Diethyl Ether	3.527	74	34003	20.823	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	58817	21.429	ug/l	94
10) Methyl Iodide	4.088	142	67484	20.093	ug/l	89
11) Tert butyl alcohol	4.942	59	49680	165.512	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	55247	21.012	ug/l	86
13) Acrolein	3.729	56	40679	98.831	ug/l	98
14) Allyl chloride	4.479	41	85516	20.509	ug/l #	88
15) Acrylonitrile	5.161	53	85913	100.935	ug/l	97
16) Acetone	3.948	43	77273	104.221	ug/l #	89
17) Carbon Disulfide	4.198	76	150397	19.511	ug/l	99
18) Methyl Acetate	4.472	43	46658	20.719	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	154323	21.007	ug/l	99
20) Methylene Chloride	4.716	84	90371	24.783	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	62287	20.984	ug/l	88
22) Diisopropyl ether	6.119	45	191687	21.466	ug/l #	94
23) Vinyl Acetate	6.058	43	549357	102.875	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	114685	21.271	ug/l	97
25) 2-Butanone	6.984	43	113203	100.678	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	103908	21.702	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	73646	21.528	ug/l	90
28) Bromochloromethane	7.338	49	27433	16.868	ug/l	85
29) Tetrahydrofuran	7.344	42	68063	98.387	ug/l #	85
30) Chloroform	7.508	83	118770	21.853	ug/l	99
31) Cyclohexane	7.789	56	97560	19.968	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	102349	21.423	ug/l	96
36) 1,1-Dichloropropene	7.917	75	87209	20.786	ug/l	97
37) Ethyl Acetate	7.076	43	46722	20.114	ug/l #	92
38) Carbon Tetrachloride	7.899	117	91390	21.102	ug/l	98
39) Methylcyclohexane	9.185	83	102512	20.400	ug/l	92
40) Benzene	8.161	78	262095	21.291	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	27203m	21.611	ug/l	91
42) 1,2-Dichloroethane	8.240	62	72896	21.371	ug/l	91
43) Isopropyl Acetate	8.277	43	84767	20.425	ug/l #	89
44) Trichloroethene	8.941	130	70548	21.148	ug/l	91
45) 1,2-Dichloropropane	9.216	63	66039	21.144	ug/l	98
46) Dibromomethane	9.307	93	36854	21.156	ug/l	97
47) Bromodichloromethane	9.496	83	90706	21.607	ug/l	98
48) Methyl methacrylate	9.295	41	37034	19.939	ug/l #	79
49) 1,4-Dioxane	9.301	88	10012	400.013	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	234938	101.507	ug/l	89
52) Toluene	10.246	92	165240	21.607	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	92171	21.135	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	105532	21.146	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	54120	21.535	ug/l	99
56) Ethyl methacrylate	10.508	69	68641	20.565	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	90563	20.959	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	114146	81.390	ug/l	96
59) 2-Hexanone	10.831	43	161495	101.578	ug/l	87
60) Dibromochloromethane	10.983	129	63414	21.221	ug/l	100
61) 1,2-Dibromoethane	11.087	107	50271	20.889	ug/l	99
64) Tetrachloroethene	10.721	164	66264	21.202	ug/l	98
65) Chlorobenzene	11.514	112	176946	21.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	65770	21.558	ug/l	98
67) Ethyl Benzene	11.593	91	312673	21.442	ug/l	99
68) m/p-Xylenes	11.703	106	240445	42.863	ug/l	95
69) o-Xylene	12.032	106	114376	21.473	ug/l	94
70) Styrene	12.044	104	194439	21.543	ug/l	95
71) Bromoform	12.209	173	39286	20.865	ug/l #	98
73) Isopropylbenzene	12.331	105	306178	21.686	ug/l	100
74) N-amyl acetate	12.142	43	71482	19.954	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	61649	20.805	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	47100m	21.348	ug/l	99
77) Bromobenzene	12.611	156	70443	21.344	ug/l	99
78) n-propylbenzene	12.672	91	373078	21.718	ug/l	100
79) 2-Chlorotoluene	12.758	91	209914	21.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	258645	21.956	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20949	20.421	ug/l	87
82) 4-Chlorotoluene	12.855	91	217103	21.554	ug/l	100
83) tert-Butylbenzene	13.075	119	220581	21.653	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	256632	22.092	ug/l	99
85) sec-Butylbenzene	13.251	105	331716	21.670	ug/l	100
86) p-Isopropyltoluene	13.367	119	274694	21.631	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	140652	21.354	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	139976	21.374	ug/l	99
89) n-Butylbenzene	13.696	91	257281	21.681	ug/l	99
90) Hexachloroethane	13.959	117	52636	21.003	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	124778	21.174	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9452	19.293	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	71980	20.437	ug/l	99
94) Hexachlorobutadiene	15.111	225	44566	21.497	ug/l	99
95) Naphthalene	15.239	128	139094	19.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	62199	20.243	ug/l	99

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

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Abundance

[illegible]