

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011016.D
 Acq On : 20 Oct 2022 11:44
 Operator : KP/MD
 Sample : VY1020SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:22:01 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	277432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	450411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	403363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194541	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120293	47.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.140%
35) Dibromofluoromethane	7.716	113	124011	49.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.179	98	435756	46.334	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.660%
62) 4-Bromofluorobenzene	12.483	95	161581	48.405	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35626	19.359	ug/l	99
3) Chloromethane	2.113	50	51488	19.502	ug/l	98
4) Vinyl Chloride	2.253	62	60823	20.326	ug/l	99
5) Bromomethane	2.643	94	45085	21.783	ug/l	97
6) Chloroethane	2.790	64	42224	21.115	ug/l	100
7) Trichlorofluoromethane	3.125	101	91668	20.929	ug/l	93
8) Diethyl Ether	3.527	74	34650	21.200	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	57572	20.956	ug/l	93
10) Methyl Iodide	4.088	142	69648	20.718	ug/l	90
11) Tert butyl alcohol	4.948	59	55918	189.080	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	54493	20.706	ug/l	85
13) Acrolein	3.728	56	42979	104.322	ug/l	99
14) Allyl chloride	4.478	41	87196	20.893	ug/l #	87
15) Acrylonitrile	5.161	53	93010	109.171	ug/l	98
16) Acetone	3.942	43	85250	114.873	ug/l #	86
17) Carbon Disulfide	4.192	76	145875	18.907	ug/l	100
18) Methyl Acetate	4.478	43	50581	22.688	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	160214	21.788	ug/l	98
20) Methylene Chloride	4.710	84	90248	24.709	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	61761	20.787	ug/l	92
22) Diisopropyl ether	6.118	45	193068	21.600	ug/l #	93
23) Vinyl Acetate	6.057	43	569825	106.609	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	116351	21.560	ug/l	98
25) 2-Butanone	6.984	43	123533	109.763	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	103265	21.548	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	73344	21.419	ug/l	89
28) Bromochloromethane	7.331	49	27804	17.036	ug/l	88
29) Tetrahydrofuran	7.344	42	76463	110.427	ug/l #	86
30) Chloroform	7.508	83	118584	21.798	ug/l	99
31) Cyclohexane	7.783	56	98021	20.044	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	103467	21.637	ug/l	96
36) 1,1-Dichloropropene	7.917	75	86080	20.530	ug/l	97
37) Ethyl Acetate	7.069	43	51899	22.357	ug/l #	93
38) Carbon Tetrachloride	7.898	117	90956	21.015	ug/l	99
39) Methylcyclohexane	9.185	83	101774	20.266	ug/l	91
40) Benzene	8.161	78	262115	21.306	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25368m	20.166	ug/l	
42) 1,2-Dichloroethane	8.240	62	74715	21.918	ug/l	91
43) Isopropyl Acetate	8.270	43	90792	21.890	ug/l #	90
44) Trichloroethene	8.941	130	70609	21.179	ug/l	98
45) 1,2-Dichloropropane	9.215	63	67565	21.645	ug/l	99
46) Dibromomethane	9.307	93	37520	21.551	ug/l	97
47) Bromodichloromethane	9.496	83	90904	21.667	ug/l	99
48) Methyl methacrylate	9.288	41	40093	21.599	ug/l #	81
49) 1,4-Dioxane	9.295	88	11540	461.343	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	255435	110.431	ug/l	88
52) Toluene	10.246	92	165490	21.653	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	93454	21.442	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	106696	21.392	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	54727	21.790	ug/l	99
56) Ethyl methacrylate	10.508	69	72539	21.746	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	93209	21.585	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	120996	85.298	ug/l	97
59) 2-Hexanone	10.831	43	178007	112.033	ug/l	86
60) Dibromochloromethane	10.983	129	65317	21.871	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52365	21.772	ug/l	99
64) Tetrachloroethene	10.721	164	66530	21.188	ug/l	95
65) Chlorobenzene	11.514	112	177321	21.412	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	66417	21.668	ug/l	98
67) Ethyl Benzene	11.593	91	313008	21.365	ug/l	99
68) m/p-Xylenes	11.703	106	241997	42.939	ug/l	94
69) o-Xylene	12.026	106	115737	21.627	ug/l	93
70) Styrene	12.044	104	195450	21.554	ug/l	95
71) Bromoform	12.209	173	41351	21.859	ug/l #	100
73) Isopropylbenzene	12.331	105	306639	21.695	ug/l	99
74) N-amyl acetate	12.142	43	76956	21.460	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	65406	22.050	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	50369m	22.805	ug/l	
77) Bromobenzene	12.611	156	71769	21.723	ug/l	100
78) n-propylbenzene	12.672	91	370330	21.535	ug/l	99
79) 2-Chlorotoluene	12.757	91	209003	21.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	262120	22.227	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	22319	21.733	ug/l	88
82) 4-Chlorotoluene	12.855	91	218135	21.633	ug/l	99
83) tert-Butylbenzene	13.074	119	219855	21.559	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	258500	22.230	ug/l	99
85) sec-Butylbenzene	13.251	105	332660	21.709	ug/l	100
86) p-Isopropyltoluene	13.367	119	276074	21.717	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	141907	21.522	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	141975	21.656	ug/l	98
89) n-Butylbenzene	13.696	91	257200	21.651	ug/l	100
90) Hexachloroethane	13.958	117	52746	21.024	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	126369	21.421	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10707	21.832	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	75089	21.298	ug/l	99
94) Hexachlorobutadiene	15.111	225	45339	21.847	ug/l	99
95) Naphthalene	15.233	128	155268	21.625	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	65057	21.151	ug/l	98

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

