

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012022\
 Data File : VY007241.D
 Acq On : 20 Jan 2022 11:46
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 21 00:46:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	104480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	177347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	64863	50.596	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.200%			
35) Dibromofluoromethane	7.722	113	59484	49.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.200%			
50) Toluene-d8	10.179	98	212268	48.443	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.880%			
62) 4-Bromofluorobenzene	12.483	95	78175	50.155	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7357	20.082	ug/l	99
3) Chloromethane	2.113	50	13716	17.853	ug/l	96
4) Vinyl Chloride	2.259	62	21544	19.268	ug/l	98
5) Bromomethane	2.656	94	14472	19.988	ug/l	92
6) Chloroethane	2.796	64	14112	20.228	ug/l	95
7) Trichlorofluoromethane	3.125	101	22943	19.039	ug/l	92
8) Diethyl Ether	3.527	74	13720	20.676	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	23189	19.751	ug/l	98
10) Methyl Iodide	4.088	142	32845	18.914	ug/l	96
11) Tert butyl alcohol	4.954	59	12617	112.782	ug/l	99
12) 1,1-Dichloroethene	3.869	96	22765	19.256	ug/l	94
13) Acrolein	3.722	56	3002	104.863	ug/l	90
14) Allyl chloride	4.478	41	38570	20.346	ug/l	97
15) Acrylonitrile	5.161	53	34850	109.276	ug/l	98
16) Acetone	3.942	43	34945	105.033	ug/l	98
17) Carbon Disulfide	4.192	76	56397	17.178	ug/l	99
18) Methyl Acetate	4.472	43	29140	24.615	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	48828	20.979	ug/l	95
20) Methylene Chloride	4.716	84	34648	25.184	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	24968	19.480	ug/l	95
22) Diisopropyl ether	6.118	45	80345	20.921	ug/l	98
23) Vinyl Acetate	6.057	43	223350	98.893	ug/l	99
24) 1,1-Dichloroethane	6.015	63	47142	20.179	ug/l	99
25) 2-Butanone	6.984	43	48533	112.826	ug/l	98
26) 2,2-Dichloropropane	6.984	77	33767	19.833	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	29637	20.384	ug/l	98
28) Bromochloromethane	7.332	49	14688	17.381	ug/l	96
29) Tetrahydrofuran	7.350	42	30500	110.301	ug/l	98
30) Chloroform	7.508	83	52431	21.600	ug/l	96
31) Cyclohexane	7.783	56	41277	19.045	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	43016	20.733	ug/l	98
36) 1,1-Dichloropropene	7.917	75	37351	19.502	ug/l	100
37) Ethyl Acetate	7.076	43	21571	21.946	ug/l	97
38) Carbon Tetrachloride	7.899	117	40144	19.927	ug/l	95
39) Methylcyclohexane	9.179	83	44408	18.990	ug/l	100
40) Benzene	8.161	78	101942	19.954	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	9634	17.021	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	33385	20.751	ug/l	100
43) Isopropyl Acetate	8.270	43	40824	21.345	ug/l	99
44) Trichloroethene	8.941	130	27864	20.155	ug/l	95
45) 1,2-Dichloropropane	9.215	63	26210	20.174	ug/l	98
46) Dibromomethane	9.307	93	15296	19.910	ug/l	98
47) Bromodichloromethane	9.496	83	40039	21.199	ug/l	100
48) Methyl methacrylate	9.289	41	17672	20.315	ug/l	95
49) 1,4-Dioxane	9.307	88	3926	473.944	ug/l #	71
51) 4-Methyl-2-Pentanone	10.069	43	104721	107.988	ug/l	98
52) Toluene	10.246	92	67097	20.719	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	41065	20.597	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	45787	20.516	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	21551	20.681	ug/l	96
56) Ethyl methacrylate	10.508	69	30381	20.694	ug/l	95
57) 1,3-Dichloropropane	10.788	76	38736	21.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	74890	112.184	ug/l	99
59) 2-Hexanone	10.831	43	71411	108.507	ug/l	96
60) Dibromochloromethane	10.983	129	26691	20.835	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21043	20.554	ug/l	97
64) Tetrachloroethene	10.721	164	22504	19.621	ug/l	92
65) Chlorobenzene	11.514	112	70196	20.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	26275	20.372	ug/l	100
67) Ethyl Benzene	11.593	91	132757	20.301	ug/l	100
68) m/p-Xylenes	11.703	106	97692	40.200	ug/l	99
69) o-Xylene	12.026	106	47064	20.565	ug/l	98
70) Styrene	12.044	104	78952	20.450	ug/l	98
71) Bromoform	12.209	173	15802	21.182	ug/l #	95
73) Isopropylbenzene	12.331	105	125578	19.275	ug/l	100
74) N-amyl acetate	12.142	43	36323	20.849	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25443	20.083	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	15184m	17.653	ug/l	
77) Bromobenzene	12.611	156	28107	19.827	ug/l	98
78) n-propylbenzene	12.672	91	154973	19.188	ug/l	99
79) 2-Chlorotoluene	12.757	91	88110	19.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	105551	19.731	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9445	20.103	ug/l #	97
82) 4-Chlorotoluene	12.855	91	92300	19.704	ug/l	100
83) tert-Butylbenzene	13.074	119	90051	19.482	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	104887	19.781	ug/l	100
85) sec-Butylbenzene	13.251	105	135984	19.664	ug/l	100
86) p-Isopropyltoluene	13.367	119	112694	19.831	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55901	20.146	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	54823	19.648	ug/l	99
89) n-Butylbenzene	13.696	91	112225	20.057	ug/l	99
90) Hexachloroethane	13.958	117	22414	20.175	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	48490	19.640	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4302	19.661	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	31130	20.734	ug/l	97
94) Hexachlorobutadiene	15.111	225	15823	20.449	ug/l	98
95) Naphthalene	15.233	128	65608	20.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26235	20.482	ug/l	98

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

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