

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011783.D
 Acq On : 13 Dec 2022 11:16
 Operator : KP/MD
 Sample : VY1213SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1213SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 22:16:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	225586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	314669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71589	46.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.280%		
35) Dibromofluoromethane	7.716	113	74370	48.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.560%		
50) Toluene-d8	10.179	98	238123	46.863	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.483	95	98358	48.972	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28519	25.124	ug/l	96
3) Chloromethane	2.119	50	28595	21.300	ug/l	96
4) Vinyl Chloride	2.253	62	32673	20.408	ug/l	97
5) Bromomethane	2.644	94	23031	21.396	ug/l	91
6) Chloroethane	2.796	64	22540	20.150	ug/l	97
7) Trichlorofluoromethane	3.125	101	61914	19.966	ug/l	98
8) Diethyl Ether	3.528	74	18998	17.490	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	35945	19.417	ug/l	98
10) Methyl Iodide	4.088	142	38355	17.696	ug/l	99
11) Tert butyl alcohol	4.954	59	20994	84.022	ug/l	98
12) 1,1-Dichloroethene	3.875	96	32032	19.187	ug/l	98
13) Acrolein	3.729	56	28590	89.903	ug/l	99
14) Allyl chloride	4.485	41	51898	18.714	ug/l	99
15) Acrylonitrile	5.168	53	53486	91.741	ug/l	99
16) Acetone	3.948	43	54783	88.938	ug/l	96
17) Carbon Disulfide	4.198	76	75609	19.831	ug/l	99
18) Methyl Acetate	4.479	43	30565	19.774	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	95338	18.239	ug/l	100
20) Methylene Chloride	4.716	84	52400	20.422	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	36520	19.463	ug/l	96
22) Diisopropyl ether	6.125	45	114551	18.933	ug/l	97
23) Vinyl Acetate	6.064	43	321093	93.023	ug/l	99
24) 1,1-Dichloroethane	6.021	63	70093	19.064	ug/l	98
25) 2-Butanone	6.990	43	73231	92.425	ug/l	100
26) 2,2-Dichloropropane	6.984	77	65889	19.048	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	43779	19.090	ug/l	99
28) Bromochloromethane	7.338	49	24531	18.327	ug/l	98
29) Tetrahydrofuran	7.350	42	41000	90.915	ug/l	100
30) Chloroform	7.509	83	77019	19.594	ug/l	100
31) Cyclohexane	7.783	56	55259	19.141	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	67854	19.356	ug/l	100
36) 1,1-Dichloropropene	7.917	75	52849	20.142	ug/l	99
37) Ethyl Acetate	7.082	43	28447	18.545	ug/l	98
38) Carbon Tetrachloride	7.905	117	62884	20.403	ug/l	97
39) Methylcyclohexane	9.185	83	58016	19.652	ug/l	97
40) Benzene	8.161	78	154804	19.750	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	13675m	17.660	ug/l	
42) 1,2-Dichloroethane	8.240	62	47118	19.439	ug/l	99
43) Isopropyl Acetate	8.271	43	51609	18.555	ug/l	99
44) Trichloroethene	8.941	130	43384	19.763	ug/l	100
45) 1,2-Dichloropropane	9.216	63	39822	19.629	ug/l	100
46) Dibromomethane	9.307	93	22103	19.464	ug/l	99
47) Bromodichloromethane	9.496	83	57432	19.576	ug/l	98
48) Methyl methacrylate	9.295	41	23192	18.916	ug/l	99
49) 1,4-Dioxane	9.301	88	5919	376.236	ug/l	100
51) 4-Methyl-2-Pentanone	10.069	43	144774	94.461	ug/l	99
52) Toluene	10.246	92	100456	20.160	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	55376	18.897	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	62686	19.039	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	33818	20.148	ug/l	99
56) Ethyl methacrylate	10.508	69	39959	18.442	ug/l	97
57) 1,3-Dichloropropane	10.795	76	55220	19.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	96220	95.769	ug/l	99
59) 2-Hexanone	10.831	43	105322	96.181	ug/l	99
60) Dibromochloromethane	10.984	129	40858	19.435	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30072	19.777	ug/l	99
64) Tetrachloroethene	10.721	164	43482	19.531	ug/l	98
65) Chlorobenzene	11.520	112	110156	19.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	43564	19.806	ug/l	99
67) Ethyl Benzene	11.593	91	195142	19.533	ug/l	99
68) m/p-Xylenes	11.703	106	152668	39.904	ug/l	98
69) o-Xylene	12.032	106	70584	19.355	ug/l	99
70) Styrene	12.044	104	121336	19.494	ug/l	100
71) Bromoform	12.209	173	26296	19.382	ug/l #	98
73) Isopropylbenzene	12.331	105	196309	19.493	ug/l	99
74) N-amyl acetate	12.148	43	43994	18.170	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	37683	19.213	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	30701m	19.522	ug/l	
77) Bromobenzene	12.611	156	45950	19.542	ug/l	100
78) n-propylbenzene	12.672	91	237094	19.645	ug/l	99
79) 2-Chlorotoluene	12.758	91	131677	19.118	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	167762	19.708	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13188	19.030	ug/l	97
82) 4-Chlorotoluene	12.855	91	137246	19.211	ug/l	100
83) tert-Butylbenzene	13.075	119	142898	19.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	166146	19.824	ug/l	99
85) sec-Butylbenzene	13.251	105	218218	19.769	ug/l	99
86) p-Isopropyltoluene	13.367	119	181383	19.743	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	92818	19.615	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	92429	19.654	ug/l	99
89) n-Butylbenzene	13.697	91	164628	19.712	ug/l	98
90) Hexachloroethane	13.965	117	36376	19.926	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	81852	19.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6471	18.924	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	47024	18.934	ug/l	99
94) Hexachlorobutadiene	15.111	225	31279	19.822	ug/l	100
95) Naphthalene	15.239	128	86304	17.942	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	39901	18.600	ug/l	99

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

