

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122722\
 Data File : VY012018.D
 Acq On : 27 Dec 2022 17:14
 Operator : KP/MD
 Sample : VY1227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/28/2022
 Supervised By :Mahesh Dadoda 01/03/2023

Quant Time: Dec 28 00:39:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	198588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103428	51.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.400%			
35) Dibromofluoromethane	7.716	113	97116	53.417	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.840%			
50) Toluene-d8	10.179	98	384507	52.127	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.483	95	132904	53.572	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	18009	13.276	ug/l	96
3) Chloromethane	2.119	50	20537	11.620	ug/l	97
4) Vinyl Chloride	2.253	62	25355	13.008	ug/l	96
5) Bromomethane	2.650	94	19974	14.404	ug/l	98
6) Chloroethane	2.790	64	19114	15.003	ug/l	96
7) Trichlorofluoromethane	3.125	101	58532	17.154	ug/l	99
8) Diethyl Ether	3.534	74	18266	17.350	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	33884	18.039	ug/l	96
10) Methyl Iodide	4.095	142	37214	14.320	ug/l	98
11) Tert butyl alcohol	4.954	59	15852	52.859	ug/l	99
12) 1,1-Dichloroethene	3.869	96	30041	15.989	ug/l	97
13) Acrolein	3.729	56	19376	103.600	ug/l	96
14) Allyl chloride	4.479	41	45624	16.489	ug/l	95
15) Acrylonitrile	5.161	53	47234	96.448	ug/l	100
16) Acetone	3.948	43	43059	75.555	ug/l	99
17) Carbon Disulfide	4.198	76	60143	10.035	ug/l	97
18) Methyl Acetate	4.479	43	25308	18.306	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	94122	19.524	ug/l	95
20) Methylene Chloride	4.722	84	53789	19.716	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	34975	16.383	ug/l	93
22) Diisopropyl ether	6.112	45	105500	19.360	ug/l	94
23) Vinyl Acetate	6.058	43	282214	90.014	ug/l	96
24) 1,1-Dichloroethane	6.015	63	65868	18.595	ug/l	97
25) 2-Butanone	6.978	43	56174	84.287	ug/l	94
26) 2,2-Dichloropropane	6.978	77	64779	18.689	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	43691	18.922	ug/l	95
28) Bromochloromethane	7.332	49	18525	19.058	ug/l	87
29) Tetrahydrofuran	7.350	42	32957	87.280	ug/l	91
30) Chloroform	7.509	83	76196	19.957	ug/l	98
31) Cyclohexane	7.783	56	49227	14.616	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	70898	19.524	ug/l	98
36) 1,1-Dichloropropene	7.917	75	49910	17.114	ug/l	99
37) Ethyl Acetate	7.076	43	23856	18.233	ug/l #	97
38) Carbon Tetrachloride	7.899	117	64594	19.178	ug/l	93
39) Methylcyclohexane	9.185	83	56240	16.027	ug/l	97
40) Benzene	8.161	78	151640	18.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	15612m	24.675	ug/l	
42) 1,2-Dichloroethane	8.234	62	46404	19.314	ug/l	99
43) Isopropyl Acetate	8.271	43	43640	18.263	ug/l	94
44) Trichloroethene	8.941	130	44068	18.734	ug/l	95
45) 1,2-Dichloropropane	9.216	63	36938	19.156	ug/l	95
46) Dibromomethane	9.301	93	21597	19.444	ug/l	98
47) Bromodichloromethane	9.496	83	56523	20.059	ug/l	97
48) Methyl methacrylate	9.289	41	19847	17.938	ug/l	92
49) 1,4-Dioxane	9.295	88	5293	399.129	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	120189	94.327	ug/l	97
52) Toluene	10.246	92	101468	19.083	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	56595	19.876	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	63202	19.747	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	32258	20.466	ug/l	96
56) Ethyl methacrylate	10.508	69	38648	19.366	ug/l	97
57) 1,3-Dichloropropane	10.788	76	52514	19.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	79455	103.179	ug/l	94
59) 2-Hexanone	10.831	43	85216	90.909	ug/l	98
60) Dibromochloromethane	10.984	129	41350	20.825	ug/l	100
61) 1,2-Dibromoethane	11.087	107	29341	19.897	ug/l	98
64) Tetrachloroethene	10.721	164	46302	19.456	ug/l	97
65) Chlorobenzene	11.514	112	112402	19.911	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	44270	21.077	ug/l	98
67) Ethyl Benzene	11.593	91	200770	19.675	ug/l	98
68) m/p-Xylenes	11.703	106	156263	39.376	ug/l	99
69) o-Xylene	12.032	106	75336	20.403	ug/l	98
70) Styrene	12.044	104	127699	20.597	ug/l	99
71) Bromoform	12.209	173	26982	21.680	ug/l #	99
73) Isopropylbenzene	12.331	105	206925	20.049	ug/l	99
74) N-amyl acetate	12.142	43	39474	18.655	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	34206	19.866	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29283m	16.920	ug/l	
77) Bromobenzene	12.611	156	48907	20.482	ug/l	95
78) n-propylbenzene	12.672	91	247660	19.962	ug/l	99
79) 2-Chlorotoluene	12.758	91	138916	19.920	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	180289	20.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12463	19.720	ug/l	100
82) 4-Chlorotoluene	12.855	91	143658	19.910	ug/l	98
83) tert-Butylbenzene	13.075	119	153314	20.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	177203	20.384	ug/l	98
85) sec-Butylbenzene	13.251	105	230285	20.592	ug/l	99
86) p-Isopropyltoluene	13.373	119	195570	20.726	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	98701	20.554	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	98589	20.651	ug/l	99
89) n-Butylbenzene	13.696	91	174674	20.449	ug/l	99
90) Hexachloroethane	13.965	117	37269	20.700	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	86607	20.687	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5922	20.013	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	53159	21.585	ug/l	100
94) Hexachlorobutadiene	15.111	225	35546	22.338	ug/l	99
95) Naphthalene	15.239	128	98668	20.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	47365	22.748	ug/l	98

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

