

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011516.D
 Acq On : 21 Nov 2022 12:08
 Operator : KP/MD
 Sample : VY1121SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS01

Quant Time: Nov 21 12:31:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/22/2022
 Supervised By :Mahesh Dadoda 11/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	175967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	278339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	258793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86261	48.278	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.560%		
35) Dibromofluoromethane	7.722	113	83150	48.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.060%		
50) Toluene-d8	10.185	98	295716	47.493	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.980%		
62) 4-Bromofluorobenzene	12.483	95	112579	48.902	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27348	25.389	ug/l	95
3) Chloromethane	2.119	50	36472	21.887	ug/l	94
4) Vinyl Chloride	2.253	62	41652	20.927	ug/l	99
5) Bromomethane	2.650	94	29896	21.232	ug/l	98
6) Chloroethane	2.796	64	27693	19.942	ug/l	99
7) Trichlorofluoromethane	3.131	101	63044	21.595	ug/l	97
8) Diethyl Ether	3.534	74	20543	21.772	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	35680	21.135	ug/l	95
10) Methyl Iodide	4.094	142	40605	20.645	ug/l	95
11) Tert butyl alcohol	4.942	59	26335	120.557	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	33350	21.566	ug/l	95
13) Acrolein	3.729	56	6805	144.442	ug/l	96
14) Allyl chloride	4.485	41	58772	21.650	ug/l	94
15) Acrylonitrile	5.167	53	53787	104.368	ug/l	98
16) Acetone	3.948	43	57695	99.410	ug/l #	89
17) Carbon Disulfide	4.198	76	95053	22.178	ug/l	96
18) Methyl Acetate	4.479	43	32360	22.784	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	92350	20.925	ug/l	98
20) Methylene Chloride	4.722	84	64757	24.236	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	38039	21.287	ug/l	92
22) Diisopropyl ether	6.118	45	128636	21.709	ug/l	98
23) Vinyl Acetate	6.064	43	366500	106.179	ug/l	100
24) 1,1-Dichloroethane	6.021	63	73876	21.234	ug/l	99
25) 2-Butanone	6.990	43	78124	102.426	ug/l	93
26) 2,2-Dichloropropane	6.990	77	67462	21.009	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	44605	21.202	ug/l	94
28) Bromochloromethane	7.338	49	29071	20.799	ug/l	93
29) Tetrahydrofuran	7.350	42	44037	102.234	ug/l	94
30) Chloroform	7.508	83	75394	20.896	ug/l	99
31) Cyclohexane	7.789	56	61225	20.673	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	65947	20.432	ug/l	98
36) 1,1-Dichloropropene	7.923	75	55208	20.613	ug/l	99
37) Ethyl Acetate	7.076	43	31786	20.842	ug/l	97
38) Carbon Tetrachloride	7.905	117	59778	19.949	ug/l	98
39) Methylcyclohexane	9.185	83	60827	20.351	ug/l	94
40) Benzene	8.161	78	161453	20.694	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	14424	18.705	ug/l #	42
42) 1,2-Dichloroethane	8.240	62	49076	20.339	ug/l	93
43) Isopropyl Acetate	8.277	43	54782	19.911	ug/l	94
44) Trichloroethene	8.941	130	42643	20.314	ug/l	100
45) 1,2-Dichloropropane	9.216	63	42200	21.161	ug/l	98
46) Dibromomethane	9.307	93	22928	20.563	ug/l	96
47) Bromodichloromethane	9.502	83	57148	20.347	ug/l	100
48) Methyl methacrylate	9.295	41	24543	20.083	ug/l	92
49) 1,4-Dioxane	9.301	88	5420	392.505	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	152036	99.406	ug/l	94
52) Toluene	10.246	92	101531	20.579	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	56396	20.087	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	65054	20.597	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	31302	19.622	ug/l	98
56) Ethyl methacrylate	10.514	69	39759	20.040	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	56165	20.789	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	97797	100.648	ug/l	98
59) 2-Hexanone	10.837	43	110531	101.256	ug/l	95
60) Dibromochloromethane	10.990	129	39461	20.185	ug/l	98
61) 1,2-Dibromoethane	11.093	107	29572	20.309	ug/l	99
64) Tetrachloroethene	10.721	164	42272	19.822	ug/l	97
65) Chlorobenzene	11.520	112	108820	20.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	41177	20.048	ug/l	98
67) Ethyl Benzene	11.593	91	193651	19.791	ug/l	98
68) m/p-Xylenes	11.703	106	152674	40.989	ug/l	95
69) o-Xylene	12.032	106	70638	20.369	ug/l	95
70) Styrene	12.044	104	119233	20.142	ug/l	97
71) Bromoform	12.209	173	23956	19.172	ug/l #	99
73) Isopropylbenzene	12.331	105	190644	19.894	ug/l	99
74) N-amyl acetate	12.142	43	46253	19.546	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	37103	19.649	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30781m	21.571	ug/l	
77) Bromobenzene	12.611	156	43973	19.652	ug/l	99
78) n-propylbenzene	12.672	91	234708	20.076	ug/l	99
79) 2-Chlorotoluene	12.758	91	131776	19.998	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	163375	20.225	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12850	19.725	ug/l	92
82) 4-Chlorotoluene	12.855	91	139273	20.214	ug/l	98
83) tert-Butylbenzene	13.075	119	137148	19.492	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	161277	20.215	ug/l	98
85) sec-Butylbenzene	13.257	105	210649	20.065	ug/l	100
86) p-Isopropyltoluene	13.373	119	176285	20.120	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	89652	19.682	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	89768	19.709	ug/l	97
89) n-Butylbenzene	13.696	91	162698	20.201	ug/l	100
90) Hexachloroethane	13.965	117	34748	19.640	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	78841	19.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5824	18.807	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	44472	19.857	ug/l	99
94) Hexachlorobutadiene	15.111	225	28885	20.749	ug/l	99
95) Naphthalene	15.239	128	80913	19.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	37561	19.570	ug/l	97

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

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