

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011565.D
 Acq On : 23 Nov 2022 11:16
 Operator : KP/MD
 Sample : VY1123SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1123SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/28/2022
 Supervised By :Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 00:36:36 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	263127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	99245	54.147	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.300%	
35) Dibromofluoromethane	7.722	113	94731	53.070	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.140%	
50) Toluene-d8	10.179	98	333625	51.433	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.483	95	128043	53.389	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	26080	23.016	ug/l	97
3) Chloromethane	2.119	50	37893	22.230	ug/l	95
4) Vinyl Chloride	2.253	62	43193	21.156	ug/l	98
5) Bromomethane	2.650	94	31071	21.568	ug/l	96
6) Chloroethane	2.796	64	28043	19.686	ug/l	98
7) Trichlorofluoromethane	3.131	101	63069	21.059	ug/l	93
8) Diethyl Ether	3.534	74	20887	21.580	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	36922	21.321	ug/l	92
10) Methyl Iodide	4.095	142	41234	20.437	ug/l	95
11) Tert butyl alcohol	4.954	59	24768	107.699	ug/l	98
12) 1,1-Dichloroethene	3.881	96	34613	21.820	ug/l	87
13) Acrolein	3.729	56	6819	141.096	ug/l	94
14) Allyl chloride	4.485	41	62116	22.306	ug/l	93
15) Acrylonitrile	5.168	53	58487	110.631	ug/l	97
16) Acetone	3.948	43	61265	102.905	ug/l	92
17) Carbon Disulfide	4.198	76	95896	21.812	ug/l	100
18) Methyl Acetate	4.485	43	34666	23.907	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	98069	21.662	ug/l	98
20) Methylene Chloride	4.716	84	70954	26.826	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	39874	21.752	ug/l	92
22) Diisopropyl ether	6.119	45	137815	22.672	ug/l	99
23) Vinyl Acetate	6.064	43	394500	111.415	ug/l	97
24) 1,1-Dichloroethane	6.027	63	78384	21.963	ug/l	99
25) 2-Butanone	6.990	43	83897	107.226	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	68797	20.886	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	47165	21.855	ug/l	94
28) Bromochloromethane	7.338	49	29731	20.736	ug/l	96
29) Tetrahydrofuran	7.350	42	48402	109.540	ug/l	96
30) Chloroform	7.509	83	80145	21.654	ug/l	100
31) Cyclohexane	7.789	56	62070	20.431	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	68604	20.720	ug/l	98
36) 1,1-Dichloropropene	7.923	75	56954	20.412	ug/l	99
37) Ethyl Acetate	7.082	43	34392	21.646	ug/l	98
38) Carbon Tetrachloride	7.905	117	61527	19.710	ug/l	98
39) Methylcyclohexane	9.185	83	62191	19.973	ug/l	94
40) Benzene	8.161	78	171909	21.151	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15844m	19.723	ug/l	
42) 1,2-Dichloroethane	8.240	62	52026	20.697	ug/l	94
43) Isopropyl Acetate	8.277	43	60523	21.116	ug/l	95
44) Trichloroethene	8.941	130	44081	20.157	ug/l	94
45) 1,2-Dichloropropane	9.216	63	43591	20.982	ug/l	98
46) Dibromomethane	9.307	93	24076	20.726	ug/l	95
47) Bromodichloromethane	9.496	83	61362	20.971	ug/l	100
48) Methyl methacrylate	9.295	41	26584	20.881	ug/l #	89
49) 1,4-Dioxane	9.301	88	5823	404.779	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	165320	103.757	ug/l	94
52) Toluene	10.246	92	107798	20.973	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	60229	20.592	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	69454	21.108	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	34652	20.851	ug/l	98
56) Ethyl methacrylate	10.514	69	42515	20.569	ug/l	88
57) 1,3-Dichloropropane	10.795	76	58268	20.702	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	101629	100.397	ug/l	98
59) 2-Hexanone	10.831	43	118740	104.414	ug/l	94
60) Dibromochloromethane	10.990	129	42117	20.680	ug/l	99
61) 1,2-Dibromoethane	11.087	107	31671	20.878	ug/l	99
64) Tetrachloroethene	10.721	164	44229	20.398	ug/l	97
65) Chlorobenzene	11.520	112	115238	20.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	43627	20.891	ug/l	98
67) Ethyl Benzene	11.593	91	205627	20.669	ug/l	100
68) m/p-Xylenes	11.703	106	159475	42.110	ug/l	97
69) o-Xylene	12.032	106	73620	20.880	ug/l	98
70) Styrene	12.044	104	126914	21.087	ug/l	97
71) Bromoform	12.209	173	26155	20.587	ug/l #	97
73) Isopropylbenzene	12.331	105	200145	20.529	ug/l	100
74) N-amyl acetate	12.148	43	50974	21.173	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	40372	21.015	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	33070m	22.780	ug/l	
77) Bromobenzene	12.611	156	46046	20.227	ug/l	98
78) n-propylbenzene	12.672	91	248098	20.859	ug/l	100
79) 2-Chlorotoluene	12.758	91	140036	20.889	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	173385	21.098	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13469	20.322	ug/l	93
82) 4-Chlorotoluene	12.855	91	145792	20.799	ug/l	100
83) tert-Butylbenzene	13.075	119	148760	20.782	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	172664	21.273	ug/l	99
85) sec-Butylbenzene	13.258	105	221481	20.737	ug/l	100
86) p-Isopropyltoluene	13.373	119	184930	20.747	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	95132	20.529	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	93821	20.247	ug/l	98
89) n-Butylbenzene	13.696	91	170349	20.790	ug/l	99
90) Hexachloroethane	13.959	117	36580	20.322	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	83939	20.434	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6716	21.317	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	46985	20.621	ug/l	97
94) Hexachlorobutadiene	15.111	225	29371	20.738	ug/l	98
95) Naphthalene	15.239	128	89250	21.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	41173	21.086	ug/l	99

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

