

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014157.D
 Acq On : 14 Jun 2023 16:38
 Operator : KP/MD
 Sample : VY0614SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0614SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/15/2023
 Supervised By :Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 01:42:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	193633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	295215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	283890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124596	46.209	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.420%		
35) Dibromofluoromethane	7.716	113	107478	51.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.680%		
50) Toluene-d8	10.179	98	363061	46.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.483	95	141807	51.002	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47153	21.850	ug/l	97
3) Chloromethane	2.113	50	50120	18.317	ug/l	98
4) Vinyl Chloride	2.253	62	51039	19.185	ug/l	95
5) Bromomethane	2.638	94	40579	18.487	ug/l	99
6) Chloroethane	2.790	64	34152	18.892	ug/l	93
7) Trichlorofluoromethane	3.119	101	89407	20.687	ug/l	95
8) Diethyl Ether	3.534	74	29818	20.662	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.900	101	45248	20.744	ug/l	98
10) Methyl Iodide	4.088	142	51803	17.986	ug/l	98
11) Tert butyl alcohol	4.942	59	60425	188.537	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	43871	19.843	ug/l	98
13) Acrolein	3.735	56	20423	151.820	ug/l	99
14) Allyl chloride	4.479	41	74758	18.654	ug/l	97
15) Acrylonitrile	5.161	53	77951	104.721	ug/l	99
16) Acetone	3.954	43	77850	95.784	ug/l	100
17) Carbon Disulfide	4.192	76	127427	17.787	ug/l	99
18) Methyl Acetate	4.479	43	61972	19.644	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	130907	20.076	ug/l	99
20) Methylene Chloride	4.716	84	59549	20.860	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	47744	19.362	ug/l	96
22) Diisopropyl ether	6.119	45	157768	20.561	ug/l	95
23) Vinyl Acetate	6.064	43	453236	100.113	ug/l	98
24) 1,1-Dichloroethane	6.015	63	89226	20.169	ug/l	96
25) 2-Butanone	6.984	43	108429	108.376	ug/l	97
26) 2,2-Dichloropropane	6.978	77	83863	20.183	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	55636	20.169	ug/l	99
28) Bromochloromethane	7.332	49	38237	21.253	ug/l	94
29) Tetrahydrofuran	7.350	42	66143	104.258	ug/l	98
30) Chloroform	7.509	83	98587	21.005	ug/l	97
31) Cyclohexane	7.789	56	68275	18.902	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	86251	20.376	ug/l	100
36) 1,1-Dichloropropene	7.917	75	65678	20.122	ug/l	99
37) Ethyl Acetate	7.076	43	46803	20.782	ug/l	99
38) Carbon Tetrachloride	7.905	117	77689	20.626	ug/l	97
39) Methylcyclohexane	9.185	83	72577	20.041	ug/l	94
40) Benzene	8.161	78	197622	20.361	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	30822m	26.817	ug/l	
42) 1,2-Dichloroethane	8.240	62	71790	20.917	ug/l	99
43) Isopropyl Acetate	8.277	43	82495	20.900	ug/l	98
44) Trichloroethene	8.941	130	53491	20.628	ug/l	96
45) 1,2-Dichloropropane	9.216	63	50389	20.440	ug/l	99
46) Dibromomethane	9.307	93	30767	20.275	ug/l	98
47) Bromodichloromethane	9.496	83	75038	21.119	ug/l	97
48) Methyl methacrylate	9.295	41	38055	20.671	ug/l	99
49) 1,4-Dioxane	9.295	88	8324	431.697	ug/l #	47
51) 4-Methyl-2-Pentanone	10.069	43	230857	107.653	ug/l	99
52) Toluene	10.246	92	123871	20.588	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	77592	20.744	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	84077	20.602	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	41818	20.776	ug/l	97
56) Ethyl methacrylate	10.508	69	57211	20.607	ug/l	97
57) 1,3-Dichloropropane	10.789	76	70890	20.593	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	80628	86.173	ug/l	97
59) 2-Hexanone	10.831	43	161632	104.356	ug/l	99
60) Dibromochloromethane	10.984	129	55818	21.667	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41594	20.939	ug/l	99
64) Tetrachloroethene	10.721	164	48799	20.167	ug/l	97
65) Chlorobenzene	11.514	112	137247	20.120	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	54969	20.488	ug/l	98
67) Ethyl Benzene	11.593	91	236015	19.766	ug/l	100
68) m/p-Xylenes	11.703	106	187670	40.863	ug/l	97
69) o-Xylene	12.032	106	88896	20.473	ug/l	98
70) Styrene	12.044	104	150673	20.332	ug/l	99
71) Bromoform	12.209	173	38384	20.890	ug/l #	98
73) Isopropylbenzene	12.331	105	232262	19.279	ug/l	99
74) N-amyl acetate	12.142	43	73876	19.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	52514	19.508	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41236m	19.903	ug/l	
77) Bromobenzene	12.611	156	59887	18.913	ug/l	97
78) n-propylbenzene	12.672	91	281685	19.143	ug/l	99
79) 2-Chlorotoluene	12.758	91	164684	19.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	203055	19.685	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	18533	19.335	ug/l	96
82) 4-Chlorotoluene	12.855	91	176210	19.639	ug/l	98
83) tert-Butylbenzene	13.075	119	171665	19.583	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	204371	20.015	ug/l	100
85) sec-Butylbenzene	13.251	105	252141	19.784	ug/l	100
86) p-Isopropyltoluene	13.367	119	215536	19.761	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	120427	19.920	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	119089	19.551	ug/l	98
89) n-Butylbenzene	13.697	91	202058	19.973	ug/l	99
90) Hexachloroethane	13.959	117	43605	20.063	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	109730	20.209	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9804	19.125	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	71257	20.716	ug/l	98
94) Hexachlorobutadiene	15.111	225	42764	21.535	ug/l	97
95) Naphthalene	15.239	128	136730	19.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	63391	20.395	ug/l	99

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

