

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013913.D
 Acq On : 30 May 2023 12:47
 Operator : KP/MD
 Sample : VY0530SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0530SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 30 15:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	392468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	160462	54.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.900%			
35) Dibromofluoromethane	7.716	113	128382	50.652	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.300%			
50) Toluene-d8	10.179	98	475363	49.347	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.483	95	170826	53.349	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38410	16.463	ug/l	99
3) Chloromethane	2.107	50	47076	16.562	ug/l	95
4) Vinyl Chloride	2.247	62	48225	16.591	ug/l	93
5) Bromomethane	2.650	94	42196	18.267	ug/l	99
6) Chloroethane	2.790	64	36944	19.505	ug/l	98
7) Trichlorofluoromethane	3.119	101	88575	18.106	ug/l	98
8) Diethyl Ether	3.521	74	30854	20.562	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	48976	18.468	ug/l	98
10) Methyl Iodide	4.088	142	47524	15.095	ug/l	98
11) Tert butyl alcohol	4.923	59	65196m	288.810	ug/l	
12) 1,1-Dichloroethene	3.869	96	43894	17.618	ug/l	97
13) Acrolein	3.729	56	40247	118.528	ug/l	100
14) Allyl chloride	4.472	41	76835	16.892	ug/l	98
15) Acrylonitrile	5.161	53	98440	127.951	ug/l	98
16) Acetone	3.954	43	110441	126.277	ug/l	97
17) Carbon Disulfide	4.192	76	106300	14.293	ug/l	98
18) Methyl Acetate	4.478	43	76834	25.323	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	143558	21.114	ug/l	99
20) Methylene Chloride	4.710	84	62550	18.574	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	47202	17.428	ug/l	95
22) Diisopropyl ether	6.118	45	170507	19.415	ug/l	99
23) Vinyl Acetate	6.057	43	521597	101.971	ug/l	100
24) 1,1-Dichloroethane	6.015	63	93884	18.312	ug/l	99
25) 2-Butanone	6.990	43	140055	131.235	ug/l	96
26) 2,2-Dichloropropane	6.978	77	89641	19.410	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	56501	18.571	ug/l	98
28) Bromochloromethane	7.332	49	32234	21.420	ug/l	98
29) Tetrahydrofuran	7.350	42	85169	133.667	ug/l	99
30) Chloroform	7.502	83	101975	19.618	ug/l	99
31) Cyclohexane	7.783	56	74827	16.527	ug/l #	95
32) 1,1,1-Trichloroethane	7.703	97	91046	19.200	ug/l	98
36) 1,1-Dichloropropene	7.917	75	68451	17.731	ug/l	98
37) Ethyl Acetate	7.076	43	58775	24.959	ug/l	97
38) Carbon Tetrachloride	7.899	117	82418	18.773	ug/l	99
39) Methylcyclohexane	9.185	83	73187	16.188	ug/l	96
40) Benzene	8.161	78	203495	18.353	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27971	21.770	ug/l	94
42) 1,2-Dichloroethane	8.234	62	74712	20.579	ug/l	99
43) Isopropyl Acetate	8.270	43	100314	23.377	ug/l	100
44) Trichloroethene	8.941	130	54277	18.169	ug/l	98
45) 1,2-Dichloropropane	9.215	63	54832	19.304	ug/l	98
46) Dibromomethane	9.307	93	33638	20.678	ug/l	99
47) Bromodichloromethane	9.496	83	78062	19.690	ug/l	98
48) Methyl methacrylate	9.295	41	45084	22.374	ug/l	94
49) 1,4-Dioxane	9.307	88	6559	343.068	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	301501	131.841	ug/l	99
52) Toluene	10.240	92	127494	18.858	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	83375	20.660	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	87947	19.453	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	48517	22.168	ug/l	97
56) Ethyl methacrylate	10.508	69	65130	22.294	ug/l	99
57) 1,3-Dichloropropane	10.788	76	78427	21.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	119224	127.899	ug/l	99
59) 2-Hexanone	10.831	43	224549	138.042	ug/l	99
60) Dibromochloromethane	10.983	129	58764	21.226	ug/l	100
61) 1,2-Dibromoethane	11.087	107	45971	22.081	ug/l	99
64) Tetrachloroethene	10.721	164	48443	18.313	ug/l	94
65) Chlorobenzene	11.514	112	140724	18.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	58285	20.154	ug/l	98
67) Ethyl Benzene	11.593	91	243171	18.034	ug/l	97
68) m/p-Xylenes	11.703	106	189262	37.088	ug/l	100
69) o-Xylene	12.026	106	89504	18.620	ug/l	97
70) Styrene	12.044	104	154427	18.966	ug/l	98
71) Bromoform	12.209	173	43532	23.031	ug/l #	97
73) Isopropylbenzene	12.331	105	241051	17.525	ug/l	99
74) N-amyl acetate	12.142	43	89116	21.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	63573	22.326	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	49837m	22.870	ug/l	
77) Bromobenzene	12.605	156	62451	18.504	ug/l	98
78) n-propylbenzene	12.672	91	295848	17.410	ug/l	98
79) 2-Chlorotoluene	12.757	91	170181	17.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	207761	18.298	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	21748	21.664	ug/l	97
82) 4-Chlorotoluene	12.855	91	178001	18.144	ug/l	97
83) tert-Butylbenzene	13.074	119	176846	17.883	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	201125	18.046	ug/l	100
85) sec-Butylbenzene	13.251	105	264067	17.976	ug/l	100
86) p-Isopropyltoluene	13.367	119	217461	17.911	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	121027	18.566	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	120968	18.640	ug/l	98
89) n-Butylbenzene	13.696	91	205283	17.631	ug/l	99
90) Hexachloroethane	13.958	117	44875	18.002	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	112720	19.457	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12708	25.474	ug/l	99
93) 1,2,4-Trichlorobenzene	15.001	180	69023	19.219	ug/l	98
94) Hexachlorobutadiene	15.111	225	43236	19.093	ug/l	98
95) Naphthalene	15.233	128	148925	21.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	63240	19.801	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

