

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013340.D
 Acq On : 19 Apr 2023 12:31
 Operator : KP/MD
 Sample : VY0419SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0419SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 06:55:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	281922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	421650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	371233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160926	47.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.000%		
35) Dibromofluoromethane	7.716	113	152793	55.974	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.940%		
50) Toluene-d8	10.179	98	519927	51.171	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.483	95	177742	53.840	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45814	18.056	ug/l	98
3) Chloromethane	2.113	50	55629	17.500	ug/l	99
4) Vinyl Chloride	2.253	62	54299	18.016	ug/l	95
5) Bromomethane	2.650	94	35927	15.545	ug/l	98
6) Chloroethane	2.790	64	32257	15.870	ug/l	98
7) Trichlorofluoromethane	3.125	101	96604	20.594	ug/l	99
8) Diethyl Ether	3.528	74	34972	20.520	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	55609	20.174	ug/l	95
10) Methyl Iodide	4.095	142	67526	19.971	ug/l	97
11) Tert butyl alcohol	4.997	59	38071m	55.764	ug/l	
12) 1,1-Dichloroethene	3.875	96	52879	19.933	ug/l	93
13) Acrolein	3.729	56	40242	96.689	ug/l	99
14) Allyl chloride	4.479	41	92411	18.236	ug/l	98
15) Acrylonitrile	5.161	53	104940	107.154	ug/l	99
16) Acetone	3.954	43	113942	97.812	ug/l	99
17) Carbon Disulfide	4.192	76	158267	18.121	ug/l	98
18) Methyl Acetate	4.479	43	76948	20.424	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	163902	20.625	ug/l	99
20) Methylene Chloride	4.716	84	82735	24.730	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	60464	19.966	ug/l	98
22) Diisopropyl ether	6.119	45	194401	19.465	ug/l	93
23) Vinyl Acetate	6.064	43	608895	96.443	ug/l	99
24) 1,1-Dichloroethane	6.015	63	109146	19.564	ug/l	98
25) 2-Butanone	6.990	43	153553	102.949	ug/l	99
26) 2,2-Dichloropropane	6.984	77	93562	18.693	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	67462	20.487	ug/l	98
28) Bromochloromethane	7.338	49	43400	19.520	ug/l	95
29) Tetrahydrofuran	7.356	42	96593	106.627	ug/l	97
30) Chloroform	7.509	83	115598	20.476	ug/l	97
31) Cyclohexane	7.789	56	90454	17.657	ug/l #	89
32) 1,1,1-Trichloroethane	7.704	97	101777	19.928	ug/l	99
36) 1,1-Dichloropropene	7.923	75	82020	19.834	ug/l	98
37) Ethyl Acetate	7.076	43	66650	19.994	ug/l	98
38) Carbon Tetrachloride	7.905	117	93158	20.373	ug/l	97
39) Methylcyclohexane	9.185	83	93696	19.490	ug/l	96
40) Benzene	8.161	78	238662	19.940	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	33281m	24.065	ug/l	
42) 1,2-Dichloroethane	8.240	62	82194	20.255	ug/l	98
43) Isopropyl Acetate	8.271	43	111092	20.064	ug/l	99
44) Trichloroethene	8.941	130	66687	21.629	ug/l	98
45) 1,2-Dichloropropane	9.216	63	64625	20.803	ug/l	98
46) Dibromomethane	9.307	93	40853	21.850	ug/l	98
47) Bromodichloromethane	9.496	83	91731	21.462	ug/l	97
48) Methyl methacrylate	9.295	41	49402	19.425	ug/l	93
49) 1,4-Dioxane	9.313	88	12520	494.243	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	322690	107.088	ug/l	99
52) Toluene	10.246	92	146480	20.268	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	93727	20.939	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	105438	21.483	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	55300	22.432	ug/l	97
56) Ethyl methacrylate	10.508	69	72817	21.573	ug/l	97
57) 1,3-Dichloropropane	10.788	76	90311	21.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	163037	115.678	ug/l	99
59) 2-Hexanone	10.831	43	234690	107.115	ug/l	100
60) Dibromochloromethane	10.984	129	69210	22.390	ug/l	100
61) 1,2-Dibromoethane	11.087	107	55489	23.115	ug/l	99
64) Tetrachloroethene	10.721	164	58487	22.332	ug/l	100
65) Chlorobenzene	11.514	112	160716	20.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	62439	21.425	ug/l	100
67) Ethyl Benzene	11.593	91	270611	20.008	ug/l	99
68) m/p-Xylenes	11.703	106	215864	41.713	ug/l	100
69) o-Xylene	12.032	106	102350	21.355	ug/l	97
70) Styrene	12.044	104	172046	21.253	ug/l	99
71) Bromoform	12.209	173	46873	23.216	ug/l #	97
73) Isopropylbenzene	12.331	105	265633	20.618	ug/l	100
74) N-amyl acetate	12.142	43	88324	19.216	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	67597	21.239	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	42631m	18.215	ug/l	
77) Bromobenzene	12.611	156	69654	21.620	ug/l	97
78) n-propylbenzene	12.672	91	319333	20.069	ug/l	98
79) 2-Chlorotoluene	12.758	91	183495	20.487	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	226086	20.951	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	24602	21.817	ug/l	100
82) 4-Chlorotoluene	12.855	91	189610	20.081	ug/l	98
83) tert-Butylbenzene	13.075	119	190216	20.542	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	222299	21.166	ug/l	100
85) sec-Butylbenzene	13.251	105	286119	20.662	ug/l	100
86) p-Isopropyltoluene	13.367	119	241394	21.244	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	132619	21.354	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	133808	21.321	ug/l	100
89) n-Butylbenzene	13.696	91	219374	20.185	ug/l	98
90) Hexachloroethane	13.959	117	48614	20.519	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	120988	21.409	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12601	21.802	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	75167	22.379	ug/l	99
94) Hexachlorobutadiene	15.111	225	45600	22.927	ug/l	99
95) Naphthalene	15.239	128	169224	22.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	71277	23.293	ug/l	99

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

