

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013364.D
 Acq On : 20 Apr 2023 13:30
 Operator : KP/MD
 Sample : VY0420SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0420SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 21 02:14:12 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	7.783	168	196545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	218711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	323121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103513	43.824	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.640%		
35) Dibromofluoromethane	7.716	113	90750	64.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	128.180%		
50) Toluene-d8	10.179	98	268040	50.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.720%		
62) 4-Bromofluorobenzene	12.477	95	86874	50.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33333	18.844	ug/l	94
3) Chloromethane	2.107	50	49438	22.308	ug/l	98
4) Vinyl Chloride	2.247	62	56974	27.116	ug/l	98
5) Bromomethane	2.650	94	38216	23.718	ug/l	99
6) Chloroethane	2.784	64	30637	21.621	ug/l	99
7) Trichlorofluoromethane	3.119	101	88405	27.033	ug/l	97
8) Diethyl Ether	3.521	74	12006	10.105	ug/l	66
9) 1,1,2-Trichlorotrifluo...	3.887	101	20428	10.630	ug/l #	78
10) Methyl Iodide	4.082	142	26739	11.343	ug/l #	65
11) Tert butyl alcohol	4.979	59	21172	31.762	ug/l	98
12) 1,1-Dichloroethene	3.869	96	16658	9.007	ug/l	94
13) Acrolein	3.729	56	6772	23.339	ug/l	92
14) Allyl chloride	4.473	41	40299	11.407	ug/l #	64
15) Acrylonitrile	5.155	53	35518	52.021	ug/l	96
16) Acetone	3.948	43	30879	38.022	ug/l #	80
17) Carbon Disulfide	4.192	76	64042	10.518	ug/l #	95
18) Methyl Acetate	4.473	43	27938	10.637	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	91338	16.486	ug/l #	88
20) Methylene Chloride	4.710	84	63296	27.593	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	31168	14.763	ug/l	91
22) Diisopropyl ether	6.112	45	169842	24.393	ug/l	90
23) Vinyl Acetate	6.058	43	482524	109.626	ug/l	99
24) 1,1-Dichloroethane	6.003	63	42186	10.847	ug/l #	91
25) 2-Butanone	6.984	43	77730	74.751	ug/l	95
26) 2,2-Dichloropropane	6.978	77	79530	22.792	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	50090	21.819	ug/l	95
28) Bromochloromethane	7.338	49	20542	13.252	ug/l #	56
29) Tetrahydrofuran	7.350	42	41053	65.003	ug/l #	77
30) Chloroform	7.502	83	80802	20.530	ug/l	99
31) Cyclohexane	7.777	56	52905	14.813	ug/l #	79
32) 1,1,1-Trichloroethane	7.698	97	80664	22.655	ug/l	99
36) 1,1-Dichloropropene	7.917	75	41652	19.418	ug/l	96
37) Ethyl Acetate	7.070	43	31353	18.133	ug/l	96
38) Carbon Tetrachloride	7.893	117	72362	30.509	ug/l	99
39) Methylcyclohexane	9.191	83	64016	25.672	ug/l	97
40) Benzene	8.161	78	133476	21.500	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	12983	18.099	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	53043	25.200	ug/l	91
43) Isopropyl Acetate	8.271	43	37799	13.161	ug/l #	82
44) Trichloroethene	8.935	130	69750	43.613	ug/l	94
45) 1,2-Dichloropropane	9.216	63	27903	17.316	ug/l	97
46) Dibromomethane	9.307	93	28261	29.141	ug/l	90
47) Bromodichloromethane	9.490	83	53313	24.047	ug/l	96
48) Methyl methacrylate	9.289	41	24201	18.345	ug/l #	82
49) 1,4-Dioxane	9.307	88	8645	657.935	ug/l #	78
51) 4-Methyl-2-Pentanone	10.075	43	143630	91.893	ug/l	97
52) Toluene	10.240	92	72832	19.428	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	90228	38.862	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	52446	20.601	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	27912	21.828	ug/l	95
56) Ethyl methacrylate	10.508	69	55640	31.779	ug/l	91
57) 1,3-Dichloropropane	10.788	76	39215	18.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	55773	76.291	ug/l #	79
59) 2-Hexanone	10.831	43	75819	66.714	ug/l	99
60) Dibromochloromethane	10.990	129	48954	30.532	ug/l	98
61) 1,2-Dibromoethane	11.087	107	50362	40.446	ug/l	100
64) Tetrachloroethene	10.715	164	39772	17.447	ug/l	97
65) Chlorobenzene	11.514	112	150288	22.234	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	58603	23.103	ug/l	96
67) Ethyl Benzene	11.593	91	251926	21.399	ug/l	97
68) m/p-Xylenes	11.703	106	190276	42.243	ug/l	100
69) o-Xylene	12.026	106	54755	13.125	ug/l	97
70) Styrene	12.044	104	89081	12.643	ug/l	95
71) Bromoform	12.209	173	26167	14.890	ug/l #	96
73) Isopropylbenzene	12.325	105	151568	21.086	ug/l	100
74) N-amyl acetate	12.142	43	26794	10.448	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	21202	11.940	ug/l #	94
76) 1,2,3-Trichloropropane	12.630	75	21701m	16.619	ug/l	
77) Bromobenzene	12.605	156	41434	23.051	ug/l	76
78) n-propylbenzene	12.672	91	177941	20.044	ug/l	94
79) 2-Chlorotoluene	12.758	91	97678	19.547	ug/l	92
80) 1,3,5-Trimethylbenzene	12.813	105	136970	22.749	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	8775	13.947	ug/l #	65
82) 4-Chlorotoluene	12.849	91	113365	21.519	ug/l	96
83) tert-Butylbenzene	13.075	119	122288	23.670	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	135739	23.165	ug/l	98
85) sec-Butylbenzene	13.251	105	182687	23.646	ug/l	93
86) p-Isopropyltoluene	13.367	119	148644	23.447	ug/l	94
87) 1,3-Dichlorobenzene	13.367	146	78731	22.722	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	79592	22.731	ug/l	100
89) n-Butylbenzene	13.696	91	159428	26.293	ug/l	95
90) Hexachloroethane	13.959	117	28714	21.722	ug/l	73
91) 1,2-Dichlorobenzene	13.739	146	92783	29.427	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7706	23.897	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	58245	31.081	ug/l	99
94) Hexachlorobutadiene	15.111	225	35489	31.982	ug/l	98
95) Naphthalene	15.233	128	153688	34.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47612	27.888	ug/l	97

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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

