

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013419.D
 Acq On : 25 Apr 2023 01:29
 Operator : KP/MD
 Sample : VY0426SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Mahesh Dadoda 04/27/2023

Quant Time: Apr 25 07:12:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	240533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	383512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	142321	53.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.960%			
35) Dibromofluoromethane	7.722	113	125863	52.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.179	98	436845	50.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.483	95	153680	53.124	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41428	18.117	ug/l	94
3) Chloromethane	2.113	50	48155	15.710	ug/l	100
4) Vinyl Chloride	2.253	62	45659	14.961	ug/l	99
5) Bromomethane	2.656	94	39016	16.042	ug/l	100
6) Chloroethane	2.796	64	32825	15.569	ug/l	95
7) Trichlorofluoromethane	3.125	101	77093	16.674	ug/l	96
8) Diethyl Ether	3.527	74	29781	18.915	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	44968	17.340	ug/l	97
10) Methyl Iodide	4.094	142	56570	17.367	ug/l	99
11) Tert butyl alcohol	4.997	59	31939	107.913	ug/l	100
12) 1,1-Dichloroethene	3.875	96	42774	17.111	ug/l	86
13) Acrolein	3.735	56	30900	129.868	ug/l	92
14) Allyl chloride	4.478	41	75496	16.276	ug/l	97
15) Acrylonitrile	5.167	53	88159	99.983	ug/l	99
16) Acetone	3.954	43	79229	76.300	ug/l	93
17) Carbon Disulfide	4.198	76	138322	17.034	ug/l	98
18) Methyl Acetate	4.478	43	66875	19.500	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	131267	18.189	ug/l	91
20) Methylene Chloride	4.722	84	79094	19.356	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	48783	17.848	ug/l	96
22) Diisopropyl ether	6.118	45	162088	17.878	ug/l	91
23) Vinyl Acetate	6.063	43	456589m	88.948	ug/l	
24) 1,1-Dichloroethane	6.021	63	89757	17.764	ug/l	98
25) 2-Butanone	6.990	43	118190	89.748	ug/l	91
26) 2,2-Dichloropropane	6.978	77	69009	15.849	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	54771	18.137	ug/l	97
28) Bromochloromethane	7.332	49	38793	21.635	ug/l	90
29) Tetrahydrofuran	7.356	42	82307	100.406	ug/l	93
30) Chloroform	7.502	83	92553	18.423	ug/l	96
31) Cyclohexane	7.789	56	75406	15.973	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	79322	17.694	ug/l	97
36) 1,1-Dichloropropene	7.917	75	66549	16.624	ug/l	98
37) Ethyl Acetate	7.075	43	57345	19.035	ug/l	97
38) Carbon Tetrachloride	7.899	117	71868	17.128	ug/l	95
39) Methylcyclohexane	9.185	83	72943	15.456	ug/l	95
40) Benzene	8.161	78	199477	17.689	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23169	16.504	ug/l #	88
42) 1,2-Dichloroethane	8.234	62	70953	19.246	ug/l	99
43) Isopropyl Acetate	8.277	43	92391	18.170	ug/l	98
44) Trichloroethene	8.941	130	52288	17.432	ug/l	96
45) 1,2-Dichloropropane	9.215	63	51886	17.598	ug/l	98
46) Dibromomethane	9.307	93	34227	19.401	ug/l	93
47) Bromodichloromethane	9.496	83	71388	18.084	ug/l #	98
48) Methyl methacrylate	9.295	41	42458	18.181	ug/l	94
49) 1,4-Dioxane	9.313	88	10519	417.487	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	275993	97.402	ug/l	97
52) Toluene	10.246	92	122322	18.026	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	73972	17.706	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	80492	17.122	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	44404	19.006	ug/l	96
56) Ethyl methacrylate	10.508	69	61264	18.902	ug/l	94
57) 1,3-Dichloropropane	10.788	76	75958	19.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	142459	117.211	ug/l	95
59) 2-Hexanone	10.831	43	194384	94.372	ug/l	97
60) Dibromochloromethane	10.983	129	54567	19.236	ug/l	98
61) 1,2-Dibromoethane	11.087	107	44618	19.425	ug/l	99
64) Tetrachloroethene	10.721	164	46734	17.516	ug/l	96
65) Chlorobenzene	11.514	112	134923	17.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	50804	17.772	ug/l	98
67) Ethyl Benzene	11.593	91	223289	16.636	ug/l	98
68) m/p-Xylenes	11.703	106	176876	34.666	ug/l	98
69) o-Xylene	12.032	106	83120	17.225	ug/l	99
70) Styrene	12.044	104	141290	17.512	ug/l	100
71) Bromoform	12.209	173	36141	18.050	ug/l #	97
73) Isopropylbenzene	12.331	105	212850	16.083	ug/l	100
74) N-amyl acetate	12.142	43	78143	16.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	58291	18.019	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	37024m	15.690	ug/l	
77) Bromobenzene	12.605	156	56277	17.549	ug/l	93
78) n-propylbenzene	12.672	91	265093	16.262	ug/l	99
79) 2-Chlorotoluene	12.757	91	153051	16.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	182526	16.897	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	19737	17.109	ug/l	96
82) 4-Chlorotoluene	12.855	91	161748	17.047	ug/l	98
83) tert-Butylbenzene	13.074	119	154781	16.539	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	181867	17.317	ug/l	99
85) sec-Butylbenzene	13.251	105	232388	16.545	ug/l	99
86) p-Isopropyltoluene	13.367	119	191033	16.913	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	106732	17.470	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	110352	17.881	ug/l	99
89) n-Butylbenzene	13.696	91	178207	16.165	ug/l	98
90) Hexachloroethane	13.958	117	39472	16.604	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	99476	18.031	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10445	18.282	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	59433	18.068	ug/l	96
94) Hexachlorobutadiene	15.111	225	35112	18.342	ug/l	97
95) Naphthalene	15.233	128	132323	18.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	54858	18.712	ug/l	99

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

