

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032423\
 Data File : VY013072.D
 Acq On : 24 Mar 2023 12:36
 Operator : KP/MD
 Sample : VY0324SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/27/2023
 Supervised By :Mahesh Dadoda 03/27/2023

Quant Time: Mar 25 03:31:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	102113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	166708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	151377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55734	54.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.940%			
35) Dibromofluoromethane	7.716	113	55225	54.891	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.780%			
50) Toluene-d8	10.179	98	175311	47.664	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.483	95	69086	55.651	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19891	19.763	ug/l	99
3) Chloromethane	2.113	50	20885	17.357	ug/l	99
4) Vinyl Chloride	2.253	62	21233	19.244	ug/l	97
5) Bromomethane	2.637	94	14336	21.383	ug/l	94
6) Chloroethane	2.784	64	13771	20.840	ug/l	93
7) Trichlorofluoromethane	3.119	101	36521	19.929	ug/l	99
8) Diethyl Ether	3.521	74	14424	22.461	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	24050	21.813	ug/l	99
10) Methyl Iodide	4.088	142	27727	19.301	ug/l	98
11) Tert butyl alcohol	4.942	59	18738	152.879	ug/l	97
12) 1,1-Dichloroethene	3.869	96	21875	20.803	ug/l	97
13) Acrolein	3.729	56	14224	80.078	ug/l	99
14) Allyl chloride	4.478	41	39766	20.473	ug/l	99
15) Acrylonitrile	5.155	53	41446	122.487	ug/l	98
16) Acetone	3.942	43	50260	126.299	ug/l	96
17) Carbon Disulfide	4.186	76	63673	17.790	ug/l	100
18) Methyl Acetate	4.466	43	29029	24.496	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	62939	23.173	ug/l	98
20) Methylene Chloride	4.710	84	35858	27.064	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	24510	21.449	ug/l	97
22) Diisopropyl ether	6.118	45	80390	22.787	ug/l	94
23) Vinyl Acetate	6.057	43	250882	114.450	ug/l	99
24) 1,1-Dichloroethane	6.015	63	44305	22.039	ug/l	97
25) 2-Butanone	6.984	43	63832	129.506	ug/l	99
26) 2,2-Dichloropropane	6.978	77	39958	22.379	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	27301	22.284	ug/l	100
28) Bromochloromethane	7.332	49	16453	22.395	ug/l	99
29) Tetrahydrofuran	7.350	42	37446	125.966	ug/l	97
30) Chloroform	7.502	83	45996	23.163	ug/l	95
31) Cyclohexane	7.783	56	38518	19.837	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	39691	22.103	ug/l	98
36) 1,1-Dichloropropene	7.917	75	34046	20.194	ug/l	99
37) Ethyl Acetate	7.076	43	25599	24.090	ug/l	98
38) Carbon Tetrachloride	7.899	117	36402	20.908	ug/l	99
39) Methylcyclohexane	9.179	83	37008	18.463	ug/l	99
40) Benzene	8.161	78	98045	20.558	ug/l	99

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41) Methacrylonitrile	7.313	41	10825m	18.908	ug/l	
42) 1,2-Dichloroethane	8.234	62	31512	21.977	ug/l	99
43) Isopropyl Acetate	8.270	43	43102	22.734	ug/l	99
44) Trichloroethene	8.935	130	25743	20.473	ug/l	95
45) 1,2-Dichloropropane	9.215	63	25841	21.440	ug/l	96
46) Dibromomethane	9.307	93	15374	22.390	ug/l	98
47) Bromodichloromethane	9.496	83	35683	22.052	ug/l #	96
48) Methyl methacrylate	9.289	41	19819	22.687	ug/l	99
49) 1,4-Dioxane	9.295	88	4768	537.134	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	128325	124.782	ug/l	99
52) Toluene	10.240	92	61620	21.424	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	37017	21.810	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	41135	21.413	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	21683	22.674	ug/l	97
56) Ethyl methacrylate	10.508	69	28920	22.681	ug/l	98
57) 1,3-Dichloropropane	10.788	76	36581	22.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	74902	111.900	ug/l	99
59) 2-Hexanone	10.831	43	96093	128.566	ug/l	100
60) Dibromochloromethane	10.983	129	26063	22.390	ug/l	96
61) 1,2-Dibromoethane	11.087	107	20549	22.308	ug/l	98
64) Tetrachloroethene	10.721	164	23160	21.014	ug/l	98
65) Chlorobenzene	11.514	112	66298	20.868	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	26147	22.241	ug/l	99
67) Ethyl Benzene	11.593	91	114613	20.519	ug/l	97
68) m/p-Xylenes	11.703	106	88602	41.233	ug/l	99
69) o-Xylene	12.032	106	41550	20.719	ug/l	98
70) Styrene	12.044	104	70764	21.145	ug/l	99
71) Bromoform	12.209	173	17991	23.472	ug/l #	96
73) Isopropylbenzene	12.331	105	111462	19.223	ug/l	99
74) N-amyl acetate	12.142	43	37754	20.694	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	28891	22.165	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	17894m	18.315	ug/l	
77) Bromobenzene	12.611	156	28346	20.123	ug/l	99
78) n-propylbenzene	12.672	91	139676	19.538	ug/l	99
79) 2-Chlorotoluene	12.757	91	77464	19.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	92729	19.378	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	9851	20.892	ug/l	98
82) 4-Chlorotoluene	12.855	91	82407	20.037	ug/l	99
83) tert-Butylbenzene	13.074	119	80034	19.378	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	92086	19.680	ug/l	100
85) sec-Butylbenzene	13.251	105	122756	19.482	ug/l	99
86) p-Isopropyltoluene	13.367	119	100608	19.537	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	55592	20.463	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55982	20.190	ug/l	99
89) n-Butylbenzene	13.696	91	95095	19.290	ug/l	99
90) Hexachloroethane	13.958	117	21483	20.030	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	50920	20.734	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5062	24.030	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	30378	20.090	ug/l	99
94) Hexachlorobutadiene	15.111	225	17299	18.757	ug/l	98
95) Naphthalene	15.239	128	63099	20.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27252	20.265	ug/l	98

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

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