

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013753.D
 Acq On : 16 May 2023 12:43
 Operator : KP/MD
 Sample : VY0516SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS02

Quant Time: May 17 07:44:41 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	190846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	263184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	114688	54.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.640%			
35) Dibromofluoromethane	7.716	113	106642	57.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.200%			
50) Toluene-d8	10.179	98	351696	53.401	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.483	95	132637	59.739	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41089	22.647	ug/l	99
3) Chloromethane	2.113	50	56843	23.373	ug/l	97
4) Vinyl Chloride	2.253	62	57241	23.638	ug/l	95
5) Bromomethane	2.650	94	49580	25.693	ug/l	100
6) Chloroethane	2.790	64	38064	22.754	ug/l	99
7) Trichlorofluoromethane	3.125	101	90015	24.538	ug/l	99
8) Diethyl Ether	3.527	74	28671	22.952	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	51459	25.009	ug/l	97
10) Methyl Iodide	4.088	142	53525	20.711	ug/l	99
11) Tert butyl alcohol	4.954	59	22063m	94.036	ug/l	
12) 1,1-Dichloroethene	3.869	96	46397	23.392	ug/l	89
13) Acrolein	3.723	56	15872	80.838	ug/l	96
14) Allyl chloride	4.478	41	89359	24.280	ug/l	96
15) Acrylonitrile	5.161	53	75426	107.813	ug/l	99
16) Acetone	3.954	43	78041	94.723	ug/l	99
17) Carbon Disulfide	4.192	76	135301	21.000	ug/l	98
18) Methyl Acetate	4.478	43	60001	22.050	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	129982	22.700	ug/l	97
20) Methylene Chloride	4.710	84	69560	22.502	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	51062	23.546	ug/l	92
22) Diisopropyl ether	6.112	45	182809	25.414	ug/l	93
23) Vinyl Acetate	6.057	43	504655	123.907	ug/l	96
24) 1,1-Dichloroethane	6.015	63	101773	25.386	ug/l	98
25) 2-Butanone	6.984	43	104008	99.542	ug/l	94
26) 2,2-Dichloropropane	6.978	77	87051	25.198	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	59001	24.624	ug/l	93
28) Bromochloromethane	7.332	49	35390	24.876	ug/l #	79
29) Tetrahydrofuran	7.350	42	64957	99.871	ug/l	89
30) Chloroform	7.508	83	104587	26.238	ug/l	96
31) Cyclohexane	7.783	56	84892	22.664	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	90767	25.518	ug/l	97
36) 1,1-Dichloropropene	7.917	75	74673	24.303	ug/l	97
37) Ethyl Acetate	7.076	43	47353	20.480	ug/l	96
38) Carbon Tetrachloride	7.899	117	81874	25.424	ug/l	89
39) Methylcyclohexane	9.185	83	83300	22.997	ug/l	95
40) Benzene	8.161	78	216601	25.026	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18629m	17.290	ug/l	
42) 1,2-Dichloroethane	8.240	62	69534	24.574	ug/l	99
43) Isopropyl Acetate	8.270	43	84462	21.642	ug/l	97
44) Trichloroethene	8.941	130	56640	24.602	ug/l	96
45) 1,2-Dichloropropane	9.215	63	58713	25.945	ug/l	97
46) Dibromomethane	9.307	93	32227	23.801	ug/l	95
47) Bromodichloromethane	9.496	83	77696	25.644	ug/l	97
48) Methyl methacrylate	9.295	41	37950	21.173	ug/l	93
49) 1,4-Dioxane	9.319	88	7419	383.644	ug/l #	25
51) 4-Methyl-2-Pentanone	10.069	43	229693	105.617	ug/l	95
52) Toluene	10.240	92	134186	25.764	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	78002	24.326	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	88635	24.565	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	44088	24.587	ug/l	98
56) Ethyl methacrylate	10.508	69	56961	22.897	ug/l	91
57) 1,3-Dichloropropane	10.788	76	75323	24.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	111599	119.634	ug/l	92
59) 2-Hexanone	10.831	43	159258	100.740	ug/l	96
60) Dibromochloromethane	10.983	129	54441	25.004	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41938	23.789	ug/l	97
64) Tetrachloroethene	10.721	164	48477	24.223	ug/l	96
65) Chlorobenzene	11.514	112	140093	24.436	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	55088	25.692	ug/l	99
67) Ethyl Benzene	11.593	91	249928	24.825	ug/l	99
68) m/p-Xylenes	11.703	106	188687	49.302	ug/l	94
69) o-Xylene	12.026	106	89585	24.750	ug/l	95
70) Styrene	12.044	104	153156	25.307	ug/l	99
71) Bromoform	12.209	173	35263	23.479	ug/l #	99
73) Isopropylbenzene	12.331	105	240741	23.654	ug/l	97
74) N-amyl acetate	12.142	43	72198	19.934	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	53218	21.392	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	38168m	21.032	ug/l	
77) Bromobenzene	12.605	156	58083	23.552	ug/l	92
78) n-propylbenzene	12.672	91	300487	23.969	ug/l	98
79) 2-Chlorotoluene	12.757	91	166810	23.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	199556	24.022	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	17512	19.739	ug/l	94
82) 4-Chlorotoluene	12.855	91	173645	23.798	ug/l	97
83) tert-Butylbenzene	13.074	119	175761	24.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	196869	24.376	ug/l	100
85) sec-Butylbenzene	13.251	105	262165	24.272	ug/l	99
86) p-Isopropyltoluene	13.367	119	214597	24.706	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	113487	24.155	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	112807	23.768	ug/l	99
89) n-Butylbenzene	13.696	91	204320	24.101	ug/l	97
90) Hexachloroethane	13.958	117	43732	23.922	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	100210	23.619	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8614	19.606	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	58923	23.294	ug/l	99
94) Hexachlorobutadiene	15.111	225	38593	26.215	ug/l	99
95) Naphthalene	15.233	128	105389	19.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51256	22.734	ug/l	98

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

