

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013764.D
 Acq On : 16 May 2023 17:09
 Operator : KP/MD
 Sample : VY0516SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS03

Quant Time: May 17 07:51:12 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	176986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112082	57.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.540%			
35) Dibromofluoromethane	7.716	113	105279	60.192	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.380%			
50) Toluene-d8	10.179	98	341910	54.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.900%			
62) 4-Bromofluorobenzene	12.477	95	133103	63.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36150	21.485	ug/l	96
3) Chloromethane	2.107	50	55090	24.426	ug/l	98
4) Vinyl Chloride	2.247	62	55061	24.519	ug/l	97
5) Bromomethane	2.649	94	52652	29.422	ug/l	100
6) Chloroethane	2.790	64	42194	27.198	ug/l	100
7) Trichlorofluoromethane	3.119	101	79430	23.348	ug/l	100
8) Diethyl Ether	3.527	74	27064	23.362	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	47868	25.085	ug/l	94
10) Methyl Iodide	4.082	142	42870	17.887	ug/l	99
11) Tert butyl alcohol	4.972	59	26024m	119.428	ug/l	
12) 1,1-Dichloroethene	3.869	96	41844	22.749	ug/l	93
13) Acrolein	3.729	56	16226	90.052	ug/l	94
14) Allyl chloride	4.472	41	82297	24.113	ug/l	97
15) Acrylonitrile	5.161	53	80371	123.878	ug/l	99
16) Acetone	3.954	43	86899	113.734	ug/l #	87
17) Carbon Disulfide	4.186	76	119496	20.000	ug/l	99
18) Methyl Acetate	4.478	43	62787	24.881	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	128734	24.242	ug/l	99
20) Methylene Chloride	4.710	84	68977	24.729	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	47814	23.775	ug/l	96
22) Diisopropyl ether	6.112	45	178591	26.771	ug/l #	92
23) Vinyl Acetate	6.051	43	520941	137.923	ug/l	95
24) 1,1-Dichloroethane	6.009	63	96286	25.898	ug/l	97
25) 2-Butanone	6.984	43	116875	120.616	ug/l	93
26) 2,2-Dichloropropane	6.978	77	80677	25.182	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	55508	24.980	ug/l	95
28) Bromochloromethane	7.332	49	37370	28.324	ug/l #	77
29) Tetrahydrofuran	7.344	42	73460	121.789	ug/l	89
30) Chloroform	7.502	83	95837	25.926	ug/l	99
31) Cyclohexane	7.777	56	79700	22.944	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	81952	24.844	ug/l	97
36) 1,1-Dichloropropene	7.917	75	69702	24.012	ug/l	97
37) Ethyl Acetate	7.069	43	52515	24.040	ug/l	97
38) Carbon Tetrachloride	7.892	117	72408	23.799	ug/l	98
39) Methylcyclohexane	9.179	83	78086	22.818	ug/l	96
40) Benzene	8.155	78	203667	24.908	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	30825m	30.282	ug/l	
42) 1,2-Dichloroethane	8.234	62	66858	25.010	ug/l	99
43) Isopropyl Acetate	8.264	43	91078	24.702	ug/l	97
44) Trichloroethene	8.935	130	52226	24.012	ug/l	88
45) 1,2-Dichloropropane	9.209	63	56995	26.659	ug/l	99
46) Dibromomethane	9.301	93	32422	25.345	ug/l	91
47) Bromodichloromethane	9.490	83	75659	26.432	ug/l	94
48) Methyl methacrylate	9.289	41	41164	24.309	ug/l	94
49) 1,4-Dioxane	9.307	88	8221	449.977	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	257989	125.565	ug/l	95
52) Toluene	10.240	92	124587	25.320	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	75047	24.773	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	85676	25.134	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	42522	25.101	ug/l	98
56) Ethyl methacrylate	10.508	69	59301	25.232	ug/l	90
57) 1,3-Dichloropropane	10.788	76	73322	25.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	116656	132.368	ug/l	91
59) 2-Hexanone	10.831	43	185910	124.475	ug/l	95
60) Dibromochloromethane	10.977	129	52243	25.398	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41888	25.150	ug/l	96
64) Tetrachloroethene	10.715	164	44856	23.754	ug/l	97
65) Chlorobenzene	11.514	112	132719	24.533	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	50773	25.095	ug/l	98
67) Ethyl Benzene	11.587	91	235273	24.767	ug/l	98
68) m/p-Xylenes	11.697	106	179176	49.615	ug/l	96
69) o-Xylene	12.026	106	85202	24.947	ug/l	96
70) Styrene	12.038	104	143620	25.150	ug/l	99
71) Bromoform	12.203	173	35728	25.211	ug/l #	99
73) Isopropylbenzene	12.325	105	225271	22.429	ug/l	99
74) N-amyl acetate	12.142	43	80724	22.585	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	56306	22.935	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	37886m	21.155	ug/l	
77) Bromobenzene	12.605	156	53836	22.121	ug/l	85
78) n-propylbenzene	12.666	91	286666	23.172	ug/l	96
79) 2-Chlorotoluene	12.751	91	159282	23.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	189910	23.166	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18117	20.694	ug/l	92
82) 4-Chlorotoluene	12.849	91	166865	23.174	ug/l	99
83) tert-Butylbenzene	13.074	119	162194	22.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	186459	23.395	ug/l	98
85) sec-Butylbenzene	13.251	105	247757	23.243	ug/l	99
86) p-Isopropyltoluene	13.367	119	203263	23.713	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	108924	23.492	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	110750	23.646	ug/l	100
89) n-Butylbenzene	13.696	91	200486	23.964	ug/l	96
90) Hexachloroethane	13.958	117	42204	23.394	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	99727	23.819	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9206	21.232	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	59102	23.676	ug/l	98
94) Hexachlorobutadiene	15.111	225	36163	24.892	ug/l	99
95) Naphthalene	15.233	128	123300	22.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	53333	23.971	ug/l	99

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

