

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014205.D
 Acq On : 16 Jun 2023 15:59
 Operator : KP/MD
 Sample : VY0616SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 16 23:21:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	195717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	292517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122913	45.099	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.200%			
35) Dibromofluoromethane	7.716	113	108069	52.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.179	98	373380	48.143	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.280%			
62) 4-Bromofluorobenzene	12.483	95	144605	52.488	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45882	21.035	ug/l	98
3) Chloromethane	2.113	50	51419	18.591	ug/l	98
4) Vinyl Chloride	2.247	62	51792	19.261	ug/l	94
5) Bromomethane	2.637	94	41227	18.582	ug/l	94
6) Chloroethane	2.784	64	33837	18.519	ug/l	91
7) Trichlorofluoromethane	3.119	101	87637	20.061	ug/l	97
8) Diethyl Ether	3.527	74	26900	18.442	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	41757	18.940	ug/l	95
10) Methyl Iodide	4.088	142	48469	16.649	ug/l	98
11) Tert butyl alcohol	4.954	59	40816	118.594	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	41264	18.466	ug/l	92
13) Acrolein	3.729	56	15151	96.381	ug/l	100
14) Allyl chloride	4.472	41	73434	18.129	ug/l	96
15) Acrylonitrile	5.161	53	67898	90.244	ug/l	99
16) Acetone	3.948	43	66521	80.973	ug/l	96
17) Carbon Disulfide	4.192	76	120496	16.640	ug/l	95
18) Methyl Acetate	4.478	43	55904	17.532	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	122508	18.588	ug/l	99
20) Methylene Chloride	4.710	84	83695	30.514	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	48248	19.358	ug/l	93
22) Diisopropyl ether	6.118	45	154375	19.905	ug/l	97
23) Vinyl Acetate	6.057	43	416134	90.939	ug/l	99
24) 1,1-Dichloroethane	6.015	63	92229	20.625	ug/l	99
25) 2-Butanone	6.984	43	92376	91.348	ug/l	100
26) 2,2-Dichloropropane	6.978	77	85019	20.243	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	55775	20.004	ug/l	99
28) Bromochloromethane	7.338	49	36489	20.066	ug/l	98
29) Tetrahydrofuran	7.350	42	58420	91.104	ug/l	99
30) Chloroform	7.508	83	97955	20.648	ug/l	99
31) Cyclohexane	7.783	56	67461	18.478	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	87258	20.394	ug/l	99
36) 1,1-Dichloropropene	7.911	75	66655	20.610	ug/l	98
37) Ethyl Acetate	7.076	43	39130	17.535	ug/l	98
38) Carbon Tetrachloride	7.899	117	79286	21.244	ug/l	98
39) Methylcyclohexane	9.185	83	67953	18.937	ug/l	99
40) Benzene	8.161	78	200315	20.829	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20375m	17.891	ug/l	
42) 1,2-Dichloroethane	8.240	62	68877	20.253	ug/l	99
43) Isopropyl Acetate	8.270	43	73491	18.790	ug/l #	90
44) Trichloroethene	8.941	130	53260	20.728	ug/l	99
45) 1,2-Dichloropropane	9.215	63	51194	20.958	ug/l	99
46) Dibromomethane	9.307	93	30064	19.994	ug/l	96
47) Bromodichloromethane	9.496	83	72718	20.655	ug/l	98
48) Methyl methacrylate	9.295	41	32801	17.981	ug/l	96
49) 1,4-Dioxane	9.301	88	7452	390.038	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	201438	94.801	ug/l	100
52) Toluene	10.246	92	124143	20.824	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	74629	20.136	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	81747	20.216	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	40567	20.341	ug/l	99
56) Ethyl methacrylate	10.508	69	51510	18.725	ug/l	99
57) 1,3-Dichloropropane	10.788	76	68690	20.138	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	66908	76.820	ug/l	99
59) 2-Hexanone	10.831	43	141406	92.140	ug/l	100
60) Dibromochloromethane	10.983	129	53070	20.791	ug/l	99
61) 1,2-Dibromoethane	11.087	107	38864	19.745	ug/l	97
64) Tetrachloroethene	10.721	164	48189	20.197	ug/l	98
65) Chlorobenzene	11.514	112	137501	20.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	55077	20.819	ug/l	99
67) Ethyl Benzene	11.593	91	244552	20.772	ug/l	99
68) m/p-Xylenes	11.703	106	190073	41.973	ug/l	99
69) o-Xylene	12.026	106	89928	21.004	ug/l	98
70) Styrene	12.044	104	154019	21.078	ug/l	99
71) Bromoform	12.209	173	35603	19.651	ug/l #	99
73) Isopropylbenzene	12.331	105	235720	19.857	ug/l	100
74) N-amyl acetate	12.142	43	67506	17.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	49596	18.697	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	29953m	14.671	ug/l	
77) Bromobenzene	12.605	156	60638	19.435	ug/l	96
78) n-propylbenzene	12.672	91	291032	20.072	ug/l	99
79) 2-Chlorotoluene	12.757	91	168374	20.182	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	205782	20.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	17270	18.285	ug/l	99
82) 4-Chlorotoluene	12.855	91	180655	20.434	ug/l	99
83) tert-Butylbenzene	13.074	119	169068	19.573	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	203400	20.215	ug/l	99
85) sec-Butylbenzene	13.251	105	255235	20.324	ug/l	100
86) p-Isopropyltoluene	13.367	119	212826	19.802	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	120033	20.149	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	119431	19.898	ug/l	99
89) n-Butylbenzene	13.696	91	200396	20.103	ug/l	99
90) Hexachloroethane	13.958	117	44205	20.641	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	107837	20.155	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8888	17.596	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	66602	19.650	ug/l	99
94) Hexachlorobutadiene	15.111	225	40177	20.532	ug/l	98
95) Naphthalene	15.233	128	121382	17.644	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58215	19.008	ug/l	99

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

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