

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009161.D
 Acq On : 07 Jun 2022 12:46
 Operator : KP/MD
 Sample : VY0607SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0607SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 07 13:00:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	108608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	182933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	173672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49541	44.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.640%		
35) Dibromofluoromethane	7.716	113	54333	47.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.520%		
50) Toluene-d8	10.179	98	162693	38.768	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.540%		
62) 4-Bromofluorobenzene	12.477	95	75409	44.545	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	16648	16.759	ug/l	98
3) Chloromethane	2.113	50	29598	20.798	ug/l	90
4) Vinyl Chloride	2.247	62	48156	22.840	ug/l	99
5) Bromomethane	2.625	94	49382	23.894	ug/l	98
6) Chloroethane	2.778	64	35438	23.726	ug/l	99
7) Trichlorofluoromethane	3.113	101	35932	20.068	ug/l	96
8) Diethyl Ether	3.521	74	10769	19.235	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.887	101	19957	18.136	ug/l	96
10) Methyl Iodide	4.088	142	19354	17.032	ug/l	92
11) Tert butyl alcohol	4.948	59	13058m	115.171	ug/l	
12) 1,1-Dichloroethene	3.869	96	17995	17.616	ug/l #	78
13) Acrolein	3.723	56	3852	103.217	ug/l	98
14) Allyl chloride	4.472	41	28498	18.511	ug/l #	87
15) Acrylonitrile	5.155	53	30298	96.654	ug/l	97
16) Acetone	3.942	43	24953	107.245	ug/l	94
17) Carbon Disulfide	4.186	76	55680	16.684	ug/l	99
18) Methyl Acetate	4.472	43	15418	21.280	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	56719	18.498	ug/l	99
20) Methylene Chloride	4.704	84	27186	15.319	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	22596	17.233	ug/l	87
22) Diisopropyl ether	6.112	45	66965	18.106	ug/l #	96
23) Vinyl Acetate	6.051	43	218223	89.197	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	41129	18.592	ug/l	98
25) 2-Butanone	6.978	43	41454	99.750	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	40289	19.771	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	27301	18.471	ug/l	89
28) Bromochloromethane	7.332	49	14400	18.965	ug/l	89
29) Tetrahydrofuran	7.344	42	25185	89.215	ug/l #	83
30) Chloroform	7.502	83	43730	18.313	ug/l	100
31) Cyclohexane	7.777	56	35287	16.137	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	37658	17.382	ug/l	97
36) 1,1-Dichloropropene	7.911	75	31603	16.325	ug/l	96
37) Ethyl Acetate	7.070	43	18217	18.141	ug/l	95
38) Carbon Tetrachloride	7.893	117	33501	16.543	ug/l	98
39) Methylcyclohexane	9.179	83	38303	15.328	ug/l	89
40) Benzene	8.155	78	97144	17.402	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9891m	19.087	ug/l	
42) 1,2-Dichloroethane	8.234	62	28937	17.653	ug/l	93
43) Isopropyl Acetate	8.271	43	34259	18.348	ug/l #	90
44) Trichloroethene	8.935	130	25381	17.171	ug/l	92
45) 1,2-Dichloropropane	9.209	63	23807	17.761	ug/l	89
46) Dibromomethane	9.301	93	14832	17.402	ug/l	94
47) Bromodichloromethane	9.496	83	34640	17.783	ug/l	100
48) Methyl methacrylate	9.289	41	14781	17.728	ug/l #	82
49) 1,4-Dioxane	9.289	88	3801	333.612	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	92508	89.520	ug/l	93
52) Toluene	10.240	92	62294	15.968	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	35426	17.126	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	39886	17.937	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	20637	17.307	ug/l	99
56) Ethyl methacrylate	10.508	69	25003	16.401	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	34121	17.542	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	57840	87.696	ug/l	96
59) 2-Hexanone	10.831	43	63049	89.112	ug/l	92
60) Dibromochloromethane	10.983	129	24078	16.658	ug/l	99
61) 1,2-Dibromoethane	11.087	107	19293	16.328	ug/l	98
64) Tetrachloroethene	10.715	164	21845	17.281	ug/l	95
65) Chlorobenzene	11.514	112	68481	17.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	24118	16.524	ug/l	94
67) Ethyl Benzene	11.587	91	117190	16.313	ug/l	100
68) m/p-Xylenes	11.703	106	94934	32.554	ug/l	93
69) o-Xylene	12.026	106	43763	16.160	ug/l	92
70) Styrene	12.044	104	75049	16.115	ug/l	94
71) Bromoform	12.209	173	15006	15.509	ug/l #	96
73) Isopropylbenzene	12.331	105	114840	16.940	ug/l	99
74) N-amyl acetate	12.142	43	30340	19.397	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	25495	18.256	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	18091m	18.581	ug/l	
77) Bromobenzene	12.605	156	27856	17.726	ug/l	93
78) n-propylbenzene	12.666	91	145739	18.607	ug/l	100
79) 2-Chlorotoluene	12.751	91	77065	17.057	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	96011	16.897	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	8698	18.336	ug/l	85
82) 4-Chlorotoluene	12.855	91	82680	17.110	ug/l	94
83) tert-Butylbenzene	13.075	119	84884	16.838	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	97571	17.297	ug/l	96
85) sec-Butylbenzene	13.251	105	130952	16.978	ug/l	98
86) p-Isopropyltoluene	13.367	119	108079	16.803	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	57553	17.168	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	57815	17.166	ug/l	98
89) n-Butylbenzene	13.696	91	102721	17.457	ug/l	99
90) Hexachloroethane	13.959	117	20602	17.092	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	51259	17.322	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3975	18.334	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	27292	16.805	ug/l	99
94) Hexachlorobutadiene	15.111	225	14609	16.505	ug/l	99
95) Naphthalene	15.239	128	55154	16.905	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	24732	17.525	ug/l	96

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

