

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010479.D
 Acq On : 14 Sep 2022 12:51
 Operator : KP/MD
 Sample : VY0914SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/15/2022
 Supervised By :Mahesh Dadoda 09/15/2022

Quant Time: Sep 14 15:07:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	218582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110271	50.090	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.180%			
35) Dibromofluoromethane	7.716	113	109731	44.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.840%			
50) Toluene-d8	10.179	98	398568	50.347	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.477	95	141410	44.373	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	40337	24.616	ug/l	99
3) Chloromethane	2.107	50	57119	23.259	ug/l	97
4) Vinyl Chloride	2.247	62	68340	22.557	ug/l	99
5) Bromomethane	2.637	94	46272	21.800	ug/l	99
6) Chloroethane	2.784	64	45502	22.454	ug/l	98
7) Trichlorofluoromethane	3.113	101	85677	22.325	ug/l	99
8) Diethyl Ether	3.527	74	26666	21.454	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	50503	22.476	ug/l	94
10) Methyl Iodide	4.082	142	57374	20.634	ug/l	92
11) Tert butyl alcohol	4.942	59	29620	105.282	ug/l	100
12) 1,1-Dichloroethene	3.863	96	45594	21.630	ug/l	83
13) Acrolein	3.729	56	18322	87.238	ug/l	99
14) Allyl chloride	4.472	41	67028	22.081	ug/l #	95
15) Acrylonitrile	5.155	53	68196	113.342	ug/l	98
16) Acetone	3.942	43	56302	111.441	ug/l	93
17) Carbon Disulfide	4.186	76	124697	21.875	ug/l	99
18) Methyl Acetate	4.466	43	36606	23.552	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	121555	20.881	ug/l	96
20) Methylene Chloride	4.704	84	86294	32.927	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	50918	21.274	ug/l	88
22) Diisopropyl ether	6.118	45	147483	21.763	ug/l #	91
23) Vinyl Acetate	6.057	43	439866	105.917	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	90715	22.111	ug/l	99
25) 2-Butanone	6.984	43	89415	111.365	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	83407	21.305	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	59551	21.405	ug/l	90
28) Bromochloromethane	7.332	49	23085	17.550	ug/l #	84
29) Tetrahydrofuran	7.338	42	55210	110.177	ug/l #	86
30) Chloroform	7.502	83	94687	21.758	ug/l	99
31) Cyclohexane	7.783	56	82546	22.195	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	85883	21.795	ug/l	97
36) 1,1-Dichloropropene	7.911	75	72761	21.759	ug/l	98
37) Ethyl Acetate	7.069	43	38115	21.682	ug/l #	95
38) Carbon Tetrachloride	7.899	117	78685	21.150	ug/l	97
39) Methylcyclohexane	9.179	83	88604	21.250	ug/l	89
40) Benzene	8.155	78	207926	21.600	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	17633m	17.546	ug/l	
42) 1,2-Dichloroethane	8.234	62	62782	21.932	ug/l	93
43) Isopropyl Acetate	8.271	43	68882	21.411	ug/l #	92
44) Trichloroethene	8.935	130	58552	20.664	ug/l	97
45) 1,2-Dichloropropane	9.209	63	50694	21.593	ug/l	98
46) Dibromomethane	9.301	93	29922	21.135	ug/l	99
47) Bromodichloromethane	9.496	83	71541	21.274	ug/l	100
48) Methyl methacrylate	9.289	41	30507	21.114	ug/l #	84
49) 1,4-Dioxane	9.301	88	7653	408.351	ug/l #	93
51) 4-Methyl-2-Pentanone	10.069	43	190586	108.005	ug/l	91
52) Toluene	10.240	92	132789	21.080	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	71299	20.602	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	80671	20.667	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	43115	21.409	ug/l	97
56) Ethyl methacrylate	10.508	69	53984	20.411	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	71579	21.375	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	111534	140.756	ug/l	93
59) 2-Hexanone	10.831	43	127567	106.054	ug/l	87
60) Dibromochloromethane	10.983	129	50078	20.348	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40764	20.851	ug/l	100
64) Tetrachloroethene	10.715	164	56683	20.400	ug/l	96
65) Chlorobenzene	11.514	112	143706	20.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	53497	20.952	ug/l	97
67) Ethyl Benzene	11.593	91	253823	20.803	ug/l	100
68) m/p-Xylenes	11.703	106	199562	41.662	ug/l	92
69) o-Xylene	12.026	106	93947	20.540	ug/l	94
70) Styrene	12.044	104	158243	20.442	ug/l	96
71) Bromoform	12.203	173	31826	19.937	ug/l #	100
73) Isopropylbenzene	12.331	105	250797	20.242	ug/l	100
74) N-amyl acetate	12.142	43	56042	19.386	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	48428	20.894	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	36986m	21.103	ug/l	
77) Bromobenzene	12.605	156	59136	20.142	ug/l	95
78) n-propylbenzene	12.672	91	303165	20.663	ug/l	98
79) 2-Chlorotoluene	12.758	91	168344	20.426	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	217320	20.788	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	15660	19.839	ug/l	92
82) 4-Chlorotoluene	12.855	91	176048	20.533	ug/l	98
83) tert-Butylbenzene	13.075	119	186696	20.432	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	214613	20.981	ug/l	98
85) sec-Butylbenzene	13.251	105	276900	20.466	ug/l	99
86) p-Isopropyltoluene	13.367	119	231215	20.203	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	118722	20.138	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	117600	20.144	ug/l	98
89) n-Butylbenzene	13.696	91	215529	20.747	ug/l	99
90) Hexachloroethane	13.959	117	43609	20.295	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	105577	20.219	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7828	20.009	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	62567	19.292	ug/l	99
94) Hexachlorobutadiene	15.111	225	38270	19.557	ug/l	98
95) Naphthalene	15.233	128	125393	19.603	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	54320	19.187	ug/l	99

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

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