

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010503.D
 Acq On : 15 Sep 2022 12:09
 Operator : KP/MD
 Sample : VY0915SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 12:29:03 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	7.789	168	230396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	115677	49.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.700%		
35) Dibromofluoromethane	7.716	113	115280	44.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.700%		
50) Toluene-d8	10.179	98	421916	50.647	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.477	95	150784	45.055	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	35263	19.409	ug/l	98
3) Chloromethane	2.107	50	50048	19.335	ug/l	97
4) Vinyl Chloride	2.247	62	60336	18.894	ug/l	99
5) Bromomethane	2.631	94	45421	20.302	ug/l	97
6) Chloroethane	2.784	64	42319	19.812	ug/l	98
7) Trichlorofluoromethane	3.113	101	75461	18.655	ug/l	95
8) Diethyl Ether	3.522	74	25650	19.579	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	42601	17.987	ug/l	96
10) Methyl Iodide	4.082	142	53336	18.198	ug/l	92
11) Tert butyl alcohol	4.936	59	29247	95.945	ug/l	99
12) 1,1-Dichloroethene	3.869	96	41036	18.469	ug/l #	80
13) Acrolein	3.723	56	16604	75.004	ug/l	98
14) Allyl chloride	4.473	41	61128	19.105	ug/l #	94
15) Acrylonitrile	5.155	53	65619	103.467	ug/l	98
16) Acetone	3.948	43	57620	108.202	ug/l	91
17) Carbon Disulfide	4.186	76	110233	18.346	ug/l	100
18) Methyl Acetate	4.473	43	39291	23.983	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	120161	19.583	ug/l	96
20) Methylene Chloride	4.704	84	69085	23.094	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	46609	18.475	ug/l	87
22) Diisopropyl ether	6.113	45	139737	19.563	ug/l #	93
23) Vinyl Acetate	6.052	43	412961	94.340	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	84038	19.433	ug/l	99
25) 2-Butanone	6.984	43	87490	103.380	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	77408	18.759	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	56316	19.204	ug/l	89
28) Bromochloromethane	7.332	49	23141	16.690	ug/l #	81
29) Tetrahydrofuran	7.344	42	53985	102.208	ug/l #	84
30) Chloroform	7.503	83	90164	19.656	ug/l	100
31) Cyclohexane	7.777	56	70830	18.068	ug/l #	89
32) 1,1,1-Trichloroethane	7.698	97	78601	18.924	ug/l	97
36) 1,1-Dichloropropene	7.917	75	65969	18.747	ug/l	99
37) Ethyl Acetate	7.070	43	36242	19.592	ug/l #	92
38) Carbon Tetrachloride	7.899	117	71486	18.260	ug/l	95
39) Methylcyclohexane	9.179	83	74299	16.934	ug/l	91
40) Benzene	8.155	78	194289	19.180	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	17123m	16.191	ug/l	
42) 1,2-Dichloroethane	8.234	62	59444	19.733	ug/l	93
43) Isopropyl Acetate	8.271	43	64542	19.065	ug/l #	88
44) Trichloroethene	8.935	130	53800	18.043	ug/l	99
45) 1,2-Dichloropropane	9.216	63	48579	19.663	ug/l	98
46) Dibromomethane	9.301	93	29573	19.850	ug/l	98
47) Bromodichloromethane	9.496	83	69026	19.506	ug/l	98
48) Methyl methacrylate	9.289	41	29607	19.473	ug/l #	82
49) 1,4-Dioxane	9.295	88	7952	403.207	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	184296	99.248	ug/l	90
52) Toluene	10.240	92	125690	18.961	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	69491	19.082	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	79413	19.333	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	41995	19.816	ug/l	98
56) Ethyl methacrylate	10.508	69	53066	19.066	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	70338	19.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	112942	134.160	ug/l	93
59) 2-Hexanone	10.831	43	127264	100.541	ug/l	87
60) Dibromochloromethane	10.984	129	50218	19.391	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40138	19.510	ug/l	100
64) Tetrachloroethene	10.715	164	53730	18.521	ug/l	95
65) Chlorobenzene	11.514	112	137038	19.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	51395	19.278	ug/l	98
67) Ethyl Benzene	11.593	91	237814	18.667	ug/l	97
68) m/p-Xylenes	11.703	106	186377	37.265	ug/l	93
69) o-Xylene	12.026	106	89682	18.779	ug/l	92
70) Styrene	12.044	104	151415	18.733	ug/l	95
71) Bromoform	12.209	173	32496	19.497	ug/l #	98
73) Isopropylbenzene	12.331	105	233362	17.719	ug/l	100
74) N-amyl acetate	12.142	43	54045	17.588	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	49077	19.921	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	28750m	15.433	ug/l	
77) Bromobenzene	12.605	156	57152	18.314	ug/l	94
78) n-propylbenzene	12.672	91	278264	17.843	ug/l	98
79) 2-Chlorotoluene	12.752	91	158801	18.127	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	201786	18.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15779	18.806	ug/l	91
82) 4-Chlorotoluene	12.855	91	165238	18.131	ug/l	98
83) tert-Butylbenzene	13.075	119	170230	17.527	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	202048	18.583	ug/l	99
85) sec-Butylbenzene	13.252	105	250082	17.389	ug/l	99
86) p-Isopropyltoluene	13.367	119	211527	17.388	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	112587	17.966	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	112371	18.109	ug/l	97
89) n-Butylbenzene	13.697	91	191409	17.334	ug/l	99
90) Hexachloroethane	13.959	117	40565	17.760	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	101781	18.338	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8156	19.613	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	59604	17.290	ug/l	98
94) Hexachlorobutadiene	15.111	225	34127	16.407	ug/l	97
95) Naphthalene	15.233	128	124793	18.354	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	52286	17.375	ug/l	98

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

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