

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081822\
 Data File : VY010086.D
 Acq On : 18 Aug 2022 16:22
 Operator : KP/MD
 Sample : VY0818SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0818SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/19/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 18 19:09:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	90051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	142207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	47927	53.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.710	113	48570	52.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.173	98	179435	52.590	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.180%			
62) 4-Bromofluorobenzene	12.477	95	67954	56.704	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6179	8.382	ug/l	92
3) Chloromethane	2.107	50	19845	19.646	ug/l	99
4) Vinyl Chloride	2.241	62	27407	21.399	ug/l	99
5) Bromomethane	2.631	94	23428	22.410	ug/l	96
6) Chloroethane	2.778	64	18587	21.072	ug/l	96
7) Trichlorofluoromethane	3.107	101	28419	18.679	ug/l	94
8) Diethyl Ether	3.521	74	8389	19.687	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	16809	20.834	ug/l	96
10) Methyl Iodide	4.076	142	15137	15.850	ug/l	98
11) Tert butyl alcohol	4.954	59	8135	92.905	ug/l #	87
12) 1,1-Dichloroethene	3.857	96	13637	18.468	ug/l	99
13) Acrolein	3.716	56	5318	88.484	ug/l	98
14) Allyl chloride	4.460	41	18948	17.461	ug/l	95
15) Acrylonitrile	5.149	53	20784	103.444	ug/l	99
16) Acetone	3.942	43	17874	92.682	ug/l #	88
17) Carbon Disulfide	4.180	76	30289	14.321	ug/l #	95
18) Methyl Acetate	4.466	43	10091	19.214	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	40600	20.011	ug/l	99
20) Methylene Chloride	4.704	84	23327	24.423	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	15815	18.624	ug/l	95
22) Diisopropyl ether	6.106	45	45346	21.245	ug/l	94
23) Vinyl Acetate	6.045	43	133904	99.422	ug/l	99
24) 1,1-Dichloroethane	6.003	63	28802	21.248	ug/l	98
25) 2-Butanone	6.978	43	26566	100.692	ug/l	99
26) 2,2-Dichloropropane	6.966	77	28254	19.833	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	19632	21.023	ug/l	94
28) Bromochloromethane	7.326	49	10345	18.340	ug/l	91
29) Tetrahydrofuran	7.344	42	16241	94.772	ug/l	93
30) Chloroform	7.496	83	33152	19.998	ug/l	98
31) Cyclohexane	7.777	56	21446	16.857	ug/l #	86
32) 1,1,1-Trichloroethane	7.691	97	30545	20.326	ug/l	100
36) 1,1-Dichloropropene	7.905	75	21670	16.868	ug/l	98
37) Ethyl Acetate	7.063	43	12033	18.600	ug/l	96
38) Carbon Tetrachloride	7.893	117	28243	17.876	ug/l	99
39) Methylcyclohexane	9.179	83	23789	16.435	ug/l	95
40) Benzene	8.149	78	67816	18.044	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7933m	23.739	ug/l	
42) 1,2-Dichloroethane	8.228	62	21009	17.940	ug/l	97
43) Isopropyl Acetate	8.264	43	21488	17.498	ug/l #	89
44) Trichloroethene	8.935	130	19900	17.518	ug/l	98
45) 1,2-Dichloropropane	9.209	63	16278	18.318	ug/l	95
46) Dibromomethane	9.295	93	10869	19.097	ug/l	97
47) Bromodichloromethane	9.490	83	26843	19.553	ug/l	99
48) Methyl methacrylate	9.289	41	8748	16.372	ug/l	88
49) 1,4-Dioxane	9.295	88	2171	371.004	ug/l #	88
51) 4-Methyl-2-Pentanone	10.063	43	59300	87.528	ug/l	92
52) Toluene	10.240	92	45971	18.978	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	24912	18.842	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	27721	19.168	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	16135	20.525	ug/l	99
56) Ethyl methacrylate	10.508	69	16913	18.615	ug/l	92
57) 1,3-Dichloropropane	10.788	76	25279	20.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	43719	111.188	ug/l	100
59) 2-Hexanone	10.831	43	40428	92.910	ug/l	94
60) Dibromochloromethane	10.977	129	21058	20.224	ug/l	100
61) 1,2-Dibromoethane	11.087	107	15094	19.701	ug/l	97
64) Tetrachloroethene	10.715	164	20259	17.106	ug/l	91
65) Chlorobenzene	11.514	112	53896	18.641	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	21854	19.076	ug/l	98
67) Ethyl Benzene	11.587	91	87238	17.997	ug/l	99
68) m/p-Xylenes	11.697	106	72631	37.718	ug/l	98
69) o-Xylene	12.026	106	33155	18.430	ug/l	97
70) Styrene	12.038	104	57323	18.883	ug/l	99
71) Bromoform	12.209	173	13585	18.929	ug/l #	100
73) Isopropylbenzene	12.325	105	90832	18.642	ug/l	98
74) N-amyl acetate	12.142	43	18960	17.146	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	19237	19.860	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	13011m	17.608	ug/l	
77) Bromobenzene	12.605	156	23825	18.406	ug/l	96
78) n-propylbenzene	12.666	91	110432	18.384	ug/l	98
79) 2-Chlorotoluene	12.751	91	62811	18.491	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	80120	18.876	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	5861	17.925	ug/l	98
82) 4-Chlorotoluene	12.849	91	68216	19.197	ug/l	97
83) tert-Butylbenzene	13.075	119	70860	18.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	80964	19.427	ug/l	100
85) sec-Butylbenzene	13.251	105	104523	19.186	ug/l	99
86) p-Isopropyltoluene	13.367	119	89293	19.125	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	49183	18.659	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	48929	18.387	ug/l	97
89) n-Butylbenzene	13.696	91	79695	19.159	ug/l	100
90) Hexachloroethane	13.959	117	18156	19.185	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	44772	19.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3111	18.687	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	24460	17.464	ug/l	98
94) Hexachlorobutadiene	15.111	225	15328	17.102	ug/l	98
95) Naphthalene	15.233	128	43238	17.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21554	17.486	ug/l	99

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

