

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011806.D
 Acq On : 13 Dec 2022 19:57
 Operator : KP/MD
 Sample : N6037-11MSD
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-22-(8-10)MSD

Quant Time: Dec 13 22:20:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	210610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	327456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	297300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71013	49.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.700%		
35) Dibromofluoromethane	7.716	113	74284	51.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.300%		
50) Toluene-d8	10.179	98	226351	47.064	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.120%		
62) 4-Bromofluorobenzene	12.483	95	94884	49.976	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.960%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	41904	44.085	ug/l	100
3) Chloromethane	2.113	50	54754	48.492	ug/l	99
4) Vinyl Chloride	2.253	62	62026	45.769	ug/l	96
5) Bromomethane	2.625	94	46314	51.337	ug/l	94
6) Chloroethane	2.790	64	45634	43.695	ug/l	100
7) Trichlorofluoromethane	3.125	101	125942	43.501	ug/l	99
8) Diethyl Ether	3.527	74	50236	49.538	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	76174	44.075	ug/l	98
10) Methyl Iodide	4.088	142	79852	39.462	ug/l	99
11) Tert butyl alcohol	4.954	59	41860	247.205	ug/l	97
12) 1,1-Dichloroethene	3.875	96	69587	44.646	ug/l	99
13) Acrolein	3.729	56	51909	174.838	ug/l	99
14) Allyl chloride	4.478	41	121543	46.945	ug/l	99
15) Acrylonitrile	5.161	53	132973	244.299	ug/l	100
16) Acetone	3.942	43	131749	229.097	ug/l	98
17) Carbon Disulfide	4.192	76	149577	42.021	ug/l	99
18) Methyl Acetate	4.472	43	119630	88.721	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	252498	51.739	ug/l	96
20) Methylene Chloride	4.716	84	114939	56.964	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	81412	46.472	ug/l	96
22) Diisopropyl ether	6.118	45	295283	52.274	ug/l	98
23) Vinyl Acetate	6.057	43	566186m	175.692	ug/l	
24) 1,1-Dichloroethane	6.015	63	165173	48.118	ug/l	98
25) 2-Butanone	6.984	43	177690	240.210	ug/l	99
26) 2,2-Dichloropropane	6.984	77	146983	45.513	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	104749	48.923	ug/l	99
28) Bromochloromethane	7.332	49	62059	49.660	ug/l	99
29) Tetrahydrofuran	7.344	42	105638	250.902	ug/l	100
30) Chloroform	7.508	83	182478	49.725	ug/l	98
31) Cyclohexane	7.789	56	115944	47.090	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	155380	47.476	ug/l	99
36) 1,1-Dichloropropene	7.917	75	115067	46.307	ug/l	99
37) Ethyl Acetate	7.069	43	64816	44.616	ug/l	98
38) Carbon Tetrachloride	7.899	117	139049	47.638	ug/l	99
39) Methylcyclohexane	9.185	83	126277	45.164	ug/l	99
40) Benzene	8.161	78	358019	48.228	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	43380m	59.151	ug/l	
42) 1,2-Dichloroethane	8.234	62	115738	50.417	ug/l	100
43) Isopropyl Acetate	8.270	43	125986	47.826	ug/l	100
44) Trichloroethene	8.941	130	98560	47.406	ug/l	99
45) 1,2-Dichloropropane	9.215	63	96021	49.976	ug/l	100
46) Dibromomethane	9.307	93	53940	50.153	ug/l	99
47) Bromodichloromethane	9.496	83	143334	51.587	ug/l	97
48) Methyl methacrylate	9.295	41	65476	56.388	ug/l	100
49) 1,4-Dioxane	9.295	88	14610	980.576	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	378543	260.794	ug/l	100
52) Toluene	10.246	92	234194	49.625	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	141911	51.133	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	155970	50.019	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	83311	52.409	ug/l	99
56) Ethyl methacrylate	10.508	69	96640	47.095	ug/l	100
57) 1,3-Dichloropropane	10.788	76	135659	51.197	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	244643	257.105	ug/l	99
59) 2-Hexanone	10.831	43	268447	258.849	ug/l	100
60) Dibromochloromethane	10.983	129	103505	51.987	ug/l	100
61) 1,2-Dibromoethane	11.087	107	72113	50.075	ug/l	99
64) Tetrachloroethene	10.721	164	104592	49.725	ug/l	97
65) Chlorobenzene	11.514	112	258715	48.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	106356	51.178	ug/l	99
67) Ethyl Benzene	11.593	91	459184	48.648	ug/l	99
68) m/p-Xylenes	11.703	106	354200	97.988	ug/l	99
69) o-Xylene	12.032	106	173020	50.216	ug/l	99
70) Styrene	12.044	104	296699	50.454	ug/l	99
71) Bromoform	12.209	173	65450	51.060	ug/l #	99
73) Isopropylbenzene	12.331	105	463413	49.231	ug/l	99
74) N-amyl acetate	12.142	43	92468	40.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	91698	50.021	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	71897m	48.913	ug/l	
77) Bromobenzene	12.605	156	108689	49.454	ug/l	97
78) n-propylbenzene	12.672	91	542510	48.093	ug/l	99
79) 2-Chlorotoluene	12.757	91	313273	48.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	394016	49.522	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	32169	49.662	ug/l	98
82) 4-Chlorotoluene	12.855	91	323207	48.403	ug/l	100
83) tert-Butylbenzene	13.074	119	344675	49.751	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	391628	49.992	ug/l	99
85) sec-Butylbenzene	13.251	105	495040	47.981	ug/l	99
86) p-Isopropyltoluene	13.367	119	418008	48.678	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	215271	48.672	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	211658	48.150	ug/l	100
89) n-Butylbenzene	13.696	91	366443	46.942	ug/l	99
90) Hexachloroethane	13.958	117	79869	46.806	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	196056	49.259	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15490	48.465	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	108569	46.770	ug/l	99
94) Hexachlorobutadiene	15.111	225	61112	41.434	ug/l	99
95) Naphthalene	15.239	128	224433	49.918	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	93195	46.479	ug/l	99

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

