

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110822\
 Data File : VY011354.D
 Acq On : 08 Nov 2022 12:10
 Operator : KP/MD
 Sample : VY1108SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Quant Time: Nov 08 13:05:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	242573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	381564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	346781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	179878	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115463	44.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.020%
35) Dibromofluoromethane	7.716	113	122455	49.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.900%
50) Toluene-d8	10.179	98	460844	48.417	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.477	95	167322	50.636	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51097	24.143	ug/l	98
3) Chloromethane	2.113	50	53461	19.876	ug/l	96
4) Vinyl Chloride	2.247	62	61932	20.612	ug/l	96
5) Bromomethane	2.637	94	42099	21.002	ug/l	96
6) Chloroethane	2.784	64	38475	19.928	ug/l	99
7) Trichlorofluoromethane	3.119	101	92451	20.827	ug/l	93
8) Diethyl Ether	3.528	74	31725	19.918	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.893	101	54998	20.608	ug/l	95
10) Methyl Iodide	4.088	142	69208	20.146	ug/l	90
11) Tert butyl alcohol	4.942	59	40264	134.154	ug/l	96
12) 1,1-Dichloroethene	3.863	96	53474	20.266	ug/l	82
13) Acrolein	3.723	56	15389	99.976	ug/l	96
14) Allyl chloride	4.472	41	74374	18.608	ug/l #	83
15) Acrylonitrile	5.155	53	73957	92.535	ug/l	98
16) Acetone	3.948	43	63593	81.204	ug/l #	82
17) Carbon Disulfide	4.192	76	167931	19.377	ug/l	98
18) Methyl Acetate	4.472	43	39769	19.181	ug/l #	84
19) Methyl tert-butyl Ether	5.216	73	136179	19.422	ug/l	95
20) Methylene Chloride	4.710	84	80622	22.397	ug/l #	78
21) trans-1,2-Dichloroethene	5.210	96	61290	20.422	ug/l	86
22) Diisopropyl ether	6.112	45	158969	19.184	ug/l #	92
23) Vinyl Acetate	6.058	43	458413	90.634	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	102826	19.814	ug/l	98
25) 2-Butanone	6.978	43	94823	86.054	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	94070	19.824	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	67916	20.538	ug/l	86
28) Bromochloromethane	7.332	49	36367	18.244	ug/l #	75
29) Tetrahydrofuran	7.344	42	58128	90.615	ug/l #	81
30) Chloroform	7.502	83	106903	20.396	ug/l	98
31) Cyclohexane	7.783	56	89477	18.608	ug/l	84
32) 1,1,1-Trichloroethane	7.697	97	96176	20.688	ug/l	94
36) 1,1-Dichloropropene	7.917	75	81847	20.444	ug/l	97
37) Ethyl Acetate	7.070	43	39472	18.290	ug/l #	92
38) Carbon Tetrachloride	7.899	117	89302	21.501	ug/l	96
39) Methylcyclohexane	9.179	83	100139	20.560	ug/l	91
40) Benzene	8.155	78	247322	21.020	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	21299m	18.163	ug/l	
42) 1,2-Dichloroethane	8.234	62	64973	20.335	ug/l	89
43) Isopropyl Acetate	8.271	43	68508	18.017	ug/l #	84
44) Trichloroethene	8.935	130	67098	21.308	ug/l	95
45) 1,2-Dichloropropane	9.209	63	58877	20.240	ug/l	96
46) Dibromomethane	9.301	93	34084	20.738	ug/l	99
47) Bromodichloromethane	9.496	83	80523	20.667	ug/l	97
48) Methyl methacrylate	9.289	41	32430	18.569	ug/l #	75
49) 1,4-Dioxane	9.289	88	8912	403.059	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	189695	91.753	ug/l #	85
52) Toluene	10.240	92	155927	21.372	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	82496	20.105	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	95311	20.300	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	47663	20.234	ug/l	99
56) Ethyl methacrylate	10.508	69	60913	19.577	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	82625	20.492	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	146162	100.201	ug/l	94
59) 2-Hexanone	10.831	43	132826	89.990	ug/l	81
60) Dibromochloromethane	10.983	129	59295	21.186	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46382	20.740	ug/l	99
64) Tetrachloroethene	10.715	164	67476	22.907	ug/l	97
65) Chlorobenzene	11.514	112	165898	21.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	62331	22.126	ug/l	98
67) Ethyl Benzene	11.587	91	289150	21.306	ug/l	98
68) m/p-Xylenes	11.703	106	229400	43.545	ug/l	94
69) o-Xylene	12.026	106	108129	21.896	ug/l	91
70) Styrene	12.038	104	182732	21.828	ug/l	95
71) Bromoform	12.203	173	38579	22.034	ug/l #	98
73) Isopropylbenzene	12.325	105	283991	21.116	ug/l	99
74) N-amyl acetate	12.142	43	59506	17.626	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	54871	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	39017m	17.817	ug/l	
77) Bromobenzene	12.605	156	67793	21.430	ug/l	96
78) n-propylbenzene	12.666	91	345590	21.000	ug/l	98
79) 2-Chlorotoluene	12.751	91	194971	20.677	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	242792	21.334	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	19486	19.043	ug/l #	83
82) 4-Chlorotoluene	12.849	91	203834	20.977	ug/l	98
83) tert-Butylbenzene	13.068	119	210760	21.493	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	239562	21.284	ug/l	99
85) sec-Butylbenzene	13.251	105	309191	21.266	ug/l	99
86) p-Isopropyltoluene	13.367	119	258608	21.340	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	135783	21.406	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	135646	21.322	ug/l	98
89) n-Butylbenzene	13.690	91	233833	20.664	ug/l	99
90) Hexachloroethane	13.959	117	49748	20.527	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	121210	21.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8874	18.614	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	69714	20.357	ug/l	99
94) Hexachlorobutadiene	15.105	225	43174	21.652	ug/l	99
95) Naphthalene	15.233	128	133169	19.280	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	60529	20.112	ug/l	100

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

