

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015916.D
 Acq On : 11 Oct 2023 11:43
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 01:55:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	293658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	262054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80859	50.288	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.580%			
35) Dibromofluoromethane	7.722	113	84104	51.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.185	98	284322	52.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.483	95	109098	49.757	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14311	20.022	ug/l	93
3) Chloromethane	2.113	50	12533	17.143	ug/l	98
4) Vinyl Chloride	2.253	62	16937	18.164	ug/l	99
5) Bromomethane	2.644	94	14055	18.382	ug/l	97
6) Chloroethane	2.790	64	12869	17.576	ug/l	97
7) Trichlorofluoromethane	3.125	101	39085	19.754	ug/l	96
8) Diethyl Ether	3.534	74	15750	18.816	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.906	101	27085	20.171	ug/l	94
10) Methyl Iodide	4.095	142	18833	15.592	ug/l	96
11) Tert butyl alcohol	4.960	59	20887	57.651	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	19509	18.889	ug/l	89
13) Acrolein	3.735	56	8738	88.913	ug/l	97
14) Allyl chloride	4.485	41	35579	18.683	ug/l	90
15) Acrylonitrile	5.168	53	53070	92.200	ug/l	98
16) Acetone	3.948	43	61290	83.266	ug/l	94
17) Carbon Disulfide	4.198	76	19155	14.457	ug/l	95
18) Methyl Acetate	4.479	43	36431	16.713	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	90014	19.232	ug/l	99
20) Methylene Chloride	4.722	84	37747	16.202	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	22245	18.561	ug/l	94
22) Diisopropyl ether	6.131	45	101978	20.021	ug/l #	88
23) Vinyl Acetate	6.064	43	267755	95.598	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	55424	19.754	ug/l	95
25) 2-Butanone	6.990	43	80215	90.942	ug/l	95
26) 2,2-Dichloropropane	6.990	77	50140	19.216	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	34912	19.737	ug/l	92
28) Bromochloromethane	7.338	49	33813	20.910	ug/l	92
29) Tetrahydrofuran	7.356	42	42617	88.320	ug/l	91
30) Chloroform	7.509	83	63867	20.408	ug/l	99
31) Cyclohexane	7.789	56	30275	17.580	ug/l #	79
32) 1,1,1-Trichloroethane	7.704	97	51550	20.170	ug/l	98
36) 1,1-Dichloropropene	7.923	75	33742	18.600	ug/l	99
37) Ethyl Acetate	7.082	43	29159	18.716	ug/l	96
38) Carbon Tetrachloride	7.905	117	43727	20.071	ug/l	96
39) Methylcyclohexane	9.185	83	33305	18.074	ug/l	96
40) Benzene	8.167	78	110759	19.428	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18288m	18.872	ug/l	
42) 1,2-Dichloroethane	8.240	62	37690	19.394	ug/l	92
43) Isopropyl Acetate	8.277	43	54259	18.814	ug/l	95
44) Trichloroethene	8.941	130	33079	20.052	ug/l	93
45) 1,2-Dichloropropane	9.216	63	34238	19.967	ug/l	100
46) Dibromomethane	9.307	93	19947	19.547	ug/l	96
47) Bromodichloromethane	9.502	83	51753	20.392	ug/l	95
48) Methyl methacrylate	9.295	41	23974	18.824	ug/l	88
49) 1,4-Dioxane	9.301	88	6468	364.626	ug/l #	45
51) 4-Methyl-2-Pentanone	10.075	43	162931	94.429	ug/l	92
52) Toluene	10.246	92	75685	20.000	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	50483	19.676	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	54469	19.544	ug/l #	90
55) 1,1,2-Trichloroethane	10.648	97	33374	20.540	ug/l	98
56) Ethyl methacrylate	10.514	69	42740	19.375	ug/l #	84
57) 1,3-Dichloropropane	10.795	76	52176	19.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	130175	96.818	ug/l	94
59) 2-Hexanone	10.837	43	122086	93.526	ug/l	89
60) Dibromochloromethane	10.990	129	39133	20.090	ug/l	99
61) 1,2-Dibromoethane	11.093	107	28911	19.482	ug/l	99
64) Tetrachloroethene	10.721	164	34125	19.954	ug/l	96
65) Chlorobenzene	11.520	112	93047	20.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	38699	20.714	ug/l	98
67) Ethyl Benzene	11.593	91	158782	20.248	ug/l	100
68) m/p-Xylenes	11.703	106	119336	40.386	ug/l	96
69) o-Xylene	12.032	106	59699	20.192	ug/l	98
70) Styrene	12.044	104	106377	20.622	ug/l	96
71) Bromoform	12.209	173	26048	20.021	ug/l #	98
73) Isopropylbenzene	12.331	105	167050	20.315	ug/l	99
74) N-amyl acetate	12.148	43	49888	19.251	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	42309	19.843	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	28421m	18.676	ug/l	
77) Bromobenzene	12.611	156	40613	20.142	ug/l	98
78) n-propylbenzene	12.672	91	204206	20.650	ug/l	100
79) 2-Chlorotoluene	12.758	91	116213	20.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	140125	20.675	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	12428	18.110	ug/l	96
82) 4-Chlorotoluene	12.855	91	120471	20.523	ug/l	99
83) tert-Butylbenzene	13.075	119	132534	20.954	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	140296	20.556	ug/l	98
85) sec-Butylbenzene	13.258	105	192389	20.740	ug/l	100
86) p-Isopropyltoluene	13.373	119	160172	20.873	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	83468	20.561	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	83539	20.435	ug/l	99
89) n-Butylbenzene	13.696	91	154101	21.221	ug/l	97
90) Hexachloroethane	13.965	117	31547	20.485	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	78085	20.694	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6905	18.440	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	49275	20.376	ug/l	98
94) Hexachlorobutadiene	15.117	225	26882	20.759	ug/l	99
95) Naphthalene	15.239	128	108337	19.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	43917	20.415	ug/l	99

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

