

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015048.D
 Acq On : 11 Aug 2023 10:41
 Operator : SY/MD
 Sample : VY0811SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0811SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/11/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 11 14:26:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	281438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	456319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	418001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	178533	52.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.680%			
35) Dibromofluoromethane	7.722	113	156844	53.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.179	98	574216	51.699	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.477	95	209685	53.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32523	18.704	ug/l	98
3) Chloromethane	2.107	50	40399	18.240	ug/l	100
4) Vinyl Chloride	2.247	62	47533	17.416	ug/l	99
5) Bromomethane	2.631	94	31803	15.237	ug/l	97
6) Chloroethane	2.784	64	35138	18.647	ug/l	98
7) Trichlorofluoromethane	3.119	101	80622	18.693	ug/l	98
8) Diethyl Ether	3.528	74	31408	19.735	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	47846	18.740	ug/l	98
10) Methyl Iodide	4.082	142	44879	17.002	ug/l	98
11) Tert butyl alcohol	4.936	59	117337	142.530	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	40454	18.185	ug/l	94
13) Acrolein	3.735	56	44613	159.299	ug/l	99
14) Allyl chloride	4.479	41	67520	18.227	ug/l	95
15) Acrylonitrile	5.161	53	105293	108.295	ug/l	99
16) Acetone	3.954	43	121889	114.591	ug/l	93
17) Carbon Disulfide	4.186	76	69024	14.034	ug/l	97
18) Methyl Acetate	4.479	43	82904	21.402	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	173046	20.561	ug/l	98
20) Methylene Chloride	4.710	84	77844	6.691	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	45075	17.776	ug/l	94
22) Diisopropyl ether	6.125	45	170224	19.728	ug/l	91
23) Vinyl Acetate	6.058	43	515582	99.400	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	94906	19.391	ug/l	97
25) 2-Butanone	6.990	43	171643	112.662	ug/l	99
26) 2,2-Dichloropropane	6.978	77	95649	19.314	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	62077	19.345	ug/l	97
28) Bromochloromethane	7.332	49	45641	20.686	ug/l	90
29) Tetrahydrofuran	7.350	42	96446	107.951	ug/l	90
30) Chloroform	7.502	83	107231	20.169	ug/l	94
31) Cyclohexane	7.783	56	67163	16.694	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	92043	19.645	ug/l	99
36) 1,1-Dichloropropene	7.917	75	66578	18.377	ug/l	99
37) Ethyl Acetate	7.076	43	64363	22.382	ug/l #	94
38) Carbon Tetrachloride	7.905	117	78687	19.320	ug/l	97
39) Methylcyclohexane	9.185	83	75880	17.612	ug/l	93
40) Benzene	8.161	78	200872	18.830	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	34814m	24.912	ug/l	
42) 1,2-Dichloroethane	8.234	62	76025	20.473	ug/l	96
43) Isopropyl Acetate	8.277	43	115792	21.673	ug/l	98
44) Trichloroethene	8.941	130	60894	19.894	ug/l	92
45) 1,2-Dichloropropane	9.216	63	54881	19.357	ug/l	97
46) Dibromomethane	9.301	93	37483	20.523	ug/l	97
47) Bromodichloromethane	9.496	83	86803	20.639	ug/l	100
48) Methyl methacrylate	9.295	41	48632	20.746	ug/l	93
49) 1,4-Dioxane	9.307	88	14688	432.358	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	338133	112.305	ug/l	94
52) Toluene	10.240	92	134492	19.591	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	88801	20.275	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	94162	19.899	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	56648	21.340	ug/l	100
56) Ethyl methacrylate	10.508	69	82382	21.674	ug/l	89
57) 1,3-Dichloropropane	10.788	76	91374	20.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	186345	103.685	ug/l	92
59) 2-Hexanone	10.831	43	258423	116.189	ug/l	92
60) Dibromochloromethane	10.984	129	67762	21.439	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53860	21.257	ug/l	98
64) Tetrachloroethene	10.721	164	65602	20.864	ug/l	97
65) Chlorobenzene	11.514	112	158617	19.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	63031	20.280	ug/l	96
67) Ethyl Benzene	11.593	91	275178	19.769	ug/l	100
68) m/p-Xylenes	11.697	106	212006	39.813	ug/l	94
69) o-Xylene	12.026	106	105475	20.243	ug/l	97
70) Styrene	12.044	104	178307	20.024	ug/l	97
71) Bromoform	12.209	173	46372	21.646	ug/l #	97
73) Isopropylbenzene	12.325	105	281118	19.366	ug/l	99
74) N-amyl acetate	12.142	43	100867	20.338	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	72415	20.413	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	54590m	21.097	ug/l	
77) Bromobenzene	12.605	156	69358	19.698	ug/l	98
78) n-propylbenzene	12.666	91	334917	19.290	ug/l	99
79) 2-Chlorotoluene	12.752	91	192485	19.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	234443	19.598	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	24084	20.505	ug/l	99
82) 4-Chlorotoluene	12.849	91	197101	19.268	ug/l	99
83) tert-Butylbenzene	13.075	119	214220	19.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	237825	19.843	ug/l	99
85) sec-Butylbenzene	13.251	105	316198	19.687	ug/l	100
86) p-Isopropyltoluene	13.367	119	262750	19.764	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	139709	20.271	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	139272	20.263	ug/l	98
89) n-Butylbenzene	13.690	91	246352	19.722	ug/l	96
90) Hexachloroethane	13.959	117	50627	19.610	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	129381	20.340	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	15063	21.747	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	83213	20.444	ug/l	97
94) Hexachlorobutadiene	15.111	225	45057	20.414	ug/l	98
95) Naphthalene	15.233	128	218509	22.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	76370	20.728	ug/l	98

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

