

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015121.D
 Acq On : 15 Aug 2023 22:57
 Operator : SY/MD
 Sample : VY0815SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS02

Quant Time: Aug 16 01:35:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/16/2023
 Supervised By :Mahesh Dadoda 08/16/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	194291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119769	51.353	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.700%			
35) Dibromofluoromethane	7.722	113	107941	52.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.179	98	392618	50.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.483	95	142315	50.451	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19156	20.006	ug/l	98
3) Chloromethane	2.113	50	23376	17.678	ug/l	97
4) Vinyl Chloride	2.247	62	30082	19.457	ug/l	99
5) Bromomethane	2.625	94	24911	20.901	ug/l	99
6) Chloroethane	2.784	64	22673	20.199	ug/l	91
7) Trichlorofluoromethane	3.119	101	50396	19.345	ug/l	97
8) Diethyl Ether	3.527	74	19653	19.236	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	31793	19.637	ug/l	96
10) Methyl Iodide	4.088	142	27052	17.016	ug/l	97
11) Tert butyl alcohol	4.966	59	33171	75.049	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	25265	18.688	ug/l	93
13) Acrolein	3.722	56	22165	122.180	ug/l	99
14) Allyl chloride	4.478	41	42855	17.879	ug/l	97
15) Acrylonitrile	5.161	53	66268	95.711	ug/l	99
16) Acetone	3.948	43	57089	74.928	ug/l	91
17) Carbon Disulfide	4.192	76	39286	16.512	ug/l #	91
18) Methyl Acetate	4.478	43	59076	21.158	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	109745	19.091	ug/l	98
20) Methylene Chloride	4.716	84	46474	23.117	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	28943	18.979	ug/l	88
22) Diisopropyl ether	6.118	45	109403	18.292	ug/l	95
23) Vinyl Acetate	6.064	43	304420	85.299	ug/l	95
24) 1,1-Dichloroethane	6.015	63	62259	19.227	ug/l	97
25) 2-Butanone	6.984	43	91289	84.621	ug/l	96
26) 2,2-Dichloropropane	6.984	77	46996	15.055	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	40784	19.578	ug/l	91
28) Bromochloromethane	7.332	49	30270	20.347	ug/l	90
29) Tetrahydrofuran	7.350	42	59152	91.700	ug/l	87
30) Chloroform	7.508	83	71026	19.566	ug/l	97
31) Cyclohexane	7.789	56	41130	18.115	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	59380	19.224	ug/l	98
36) 1,1-Dichloropropene	7.923	75	41937	18.271	ug/l	98
37) Ethyl Acetate	7.076	43	38055	17.787	ug/l #	94
38) Carbon Tetrachloride	7.899	117	50879	18.730	ug/l	98
39) Methylcyclohexane	9.185	83	46496	18.070	ug/l	95
40) Benzene	8.161	78	131445	18.942	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18501m	16.770	ug/l	
42) 1,2-Dichloroethane	8.240	62	49482	19.634	ug/l	95
43) Isopropyl Acetate	8.277	43	70298	18.043	ug/l	97
44) Trichloroethene	8.941	130	39367	19.691	ug/l	91
45) 1,2-Dichloropropane	9.215	63	37109	18.964	ug/l	98
46) Dibromomethane	9.307	93	24090	19.519	ug/l	98
47) Bromodichloromethane	9.496	83	57015	19.360	ug/l	99
48) Methyl methacrylate	9.295	41	30715	18.429	ug/l	92
49) 1,4-Dioxane	9.295	88	8851	358.642	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	209677	92.859	ug/l	93
52) Toluene	10.246	92	87092	19.041	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	54594	17.639	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	58958	18.087	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	36013	19.191	ug/l	96
56) Ethyl methacrylate	10.514	69	50256	18.299	ug/l	91
57) 1,3-Dichloropropane	10.788	76	58565	19.102	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	126320	98.835	ug/l	92
59) 2-Hexanone	10.831	43	149701	89.578	ug/l	92
60) Dibromochloromethane	10.983	129	43400	19.388	ug/l	98
61) 1,2-Dibromoethane	11.087	107	33834	18.979	ug/l	99
64) Tetrachloroethene	10.721	164	42986	21.195	ug/l	96
65) Chlorobenzene	11.514	112	104473	19.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	41951	19.493	ug/l	99
67) Ethyl Benzene	11.593	91	174058	18.730	ug/l	99
68) m/p-Xylenes	11.703	106	135773	38.468	ug/l	93
69) o-Xylene	12.032	106	66466	18.904	ug/l	99
70) Styrene	12.044	104	115536	18.986	ug/l	97
71) Bromoform	12.209	173	29354	18.816	ug/l #	100
73) Isopropylbenzene	12.331	105	179842	18.733	ug/l	100
74) N-amyl acetate	12.142	43	58878	16.986	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	46588	18.633	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	37872m	20.879	ug/l	
77) Bromobenzene	12.611	156	45762	19.556	ug/l	99
78) n-propylbenzene	12.672	91	212000	18.596	ug/l	99
79) 2-Chlorotoluene	12.757	91	123645	18.801	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	150177	18.766	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	13038	15.788	ug/l	98
82) 4-Chlorotoluene	12.855	91	125394	18.456	ug/l	98
83) tert-Butylbenzene	13.074	119	136119	18.596	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	150436	18.813	ug/l	98
85) sec-Butylbenzene	13.251	105	201475	18.786	ug/l	100
86) p-Isopropyltoluene	13.367	119	166747	18.753	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	88352	19.035	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	90259	19.388	ug/l	98
89) n-Butylbenzene	13.696	91	153739	18.338	ug/l	97
90) Hexachloroethane	13.958	117	32370	18.350	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	84343	19.452	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8807	18.183	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	53242	19.126	ug/l	99
94) Hexachlorobutadiene	15.111	225	29044	19.181	ug/l	99
95) Naphthalene	15.233	128	129419	18.664	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	48539	19.308	ug/l	99

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

