

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016697.D
 Acq On : 19 Dec 2023 15:24
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY121923

Quant Time: Dec 20 06:34:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	194371	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	284450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	245306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	75055	46.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.360%		
35) Dibromofluoromethane	7.734	113	79492	47.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.900%		
50) Toluene-d8	10.191	98	293982	48.454	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.900%		
62) 4-Bromofluorobenzene	12.489	95	80765	46.817	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.640%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	63746	46.083	ug/l	100
3) Chloromethane	2.125	50	118761	48.023	ug/l	99
4) Vinyl Chloride	2.265	62	161288	42.965	ug/l	98
5) Bromomethane	2.668	94	140145	43.027	ug/l	100
6) Chloroethane	2.814	64	116335	41.402	ug/l	95
7) Trichlorofluoromethane	3.149	101	145143	44.112	ug/l	98
8) Diethyl Ether	3.552	74	40942	46.484	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.930	101	79847	44.729	ug/l	96
10) Methyl Iodide	4.119	142	97350	48.021	ug/l	97
11) Tert butyl alcohol	4.984	59	25321	251.500	ug/l	100
12) 1,1-Dichloroethene	3.893	96	74236	45.851	ug/l	98
13) Acrolein	3.753	56	20313	249.197	ug/l	97
14) Allyl chloride	4.509	41	91589	45.304	ug/l #	85
15) Acrylonitrile	5.192	53	80697	228.851	ug/l	97
16) Acetone	3.966	43	77012	237.689	ug/l	97
17) Carbon Disulfide	4.222	76	201400	46.479	ug/l	100
18) Methyl Acetate	4.503	43	67748	48.633	ug/l	98
19) Methyl tert-butyl Ether	5.247	73	186581	47.705	ug/l	99
20) Methylene Chloride	4.747	84	89929	51.444	ug/l	99
21) trans-1,2-Dichloroethene	5.247	96	84610	46.207	ug/l	98
22) Diisopropyl ether	6.143	45	217646	47.036	ug/l	98
23) Vinyl Acetate	6.082	43	530714	234.554	ug/l	100
24) 1,1-Dichloroethane	6.039	63	145137	45.547	ug/l	100
25) 2-Butanone	7.002	43	105271	241.342	ug/l	99
26) 2,2-Dichloropropane	7.002	77	136058	47.016	ug/l	97
27) cis-1,2-Dichloroethene	7.009	96	96695	46.721	ug/l	95
28) Bromochloromethane	7.356	49	56840	49.122	ug/l	93
29) Tetrahydrofuran	7.362	42	62813	241.318	ug/l	97
30) Chloroform	7.527	83	156292	45.715	ug/l	99
31) Cyclohexane	7.801	56	114800	43.626	ug/l	99
32) 1,1,1-Trichloroethane	7.722	97	142125	46.818	ug/l	97
36) 1,1-Dichloropropene	7.935	75	118750	46.860	ug/l	98
37) Ethyl Acetate	7.094	43	44543	45.893	ug/l	96
38) Carbon Tetrachloride	7.923	117	126837	46.387	ug/l	99
39) Methylcyclohexane	9.197	83	136212	46.685	ug/l	98
40) Benzene	8.179	78	338416	46.480	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	22090m	42.853	ug/l	
42) 1,2-Dichloroethane	8.252	62	95212	46.213	ug/l	96
43) Isopropyl Acetate	8.283	43	88567	47.510	ug/l	98
44) Trichloroethene	8.953	130	94098	46.963	ug/l	99
45) 1,2-Dichloropropane	9.228	63	81807	47.008	ug/l	99
46) Dibromomethane	9.319	93	46512	47.329	ug/l	100
47) Bromodichloromethane	9.508	83	119445	46.550	ug/l	99
48) Methyl methacrylate	9.301	41	49995	49.430	ug/l #	89
49) 1,4-Dioxane	9.313	88	9994	1104.538	ug/l #	81
51) 4-Methyl-2-Pentanone	10.081	43	238005	248.748	ug/l	96
52) Toluene	10.252	92	211849	47.555	ug/l	97
53) t-1,3-Dichloropropene	10.477	75	113867	49.561	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	132410	48.639	ug/l	93
55) 1,1,2-Trichloroethane	10.654	97	63200	46.555	ug/l	100
56) Ethyl methacrylate	10.520	69	56611	51.246	ug/l #	91
57) 1,3-Dichloropropane	10.801	76	106241	47.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	193774	253.896	ug/l	96
59) 2-Hexanone	10.843	43	168467	241.668	ug/l	96
60) Dibromochloromethane	10.996	129	80991	49.138	ug/l	99
61) 1,2-Dibromoethane	11.099	107	58787	48.082	ug/l	99
64) Tetrachloroethene	10.727	164	78682	46.500	ug/l	96
65) Chlorobenzene	11.526	112	226813	46.689	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.599	131	87792	46.648	ug/l	98
67) Ethyl Benzene	11.605	91	411554	47.421	ug/l	99
68) m/p-Xylenes	11.715	106	312335	94.942	ug/l	99
69) o-Xylene	12.038	106	145733	48.493	ug/l	99
70) Styrene	12.056	104	210605	48.533	ug/l	99
71) Bromoform	12.221	173	46853	48.066	ug/l #	99
73) Isopropylbenzene	12.343	105	387765	48.306	ug/l	100
74) N-amyl acetate	12.154	43	72050	49.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	69974	46.847	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	47297m	46.866	ug/l	
77) Bromobenzene	12.617	156	92157	47.614	ug/l	98
78) n-propylbenzene	12.684	91	455524	47.866	ug/l	99
79) 2-Chlorotoluene	12.770	91	242034	47.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	304176	48.356	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	22177	50.419	ug/l	91
82) 4-Chlorotoluene	12.867	91	251297	47.673	ug/l	98
83) tert-Butylbenzene	13.087	119	274684	48.528	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	308865	48.985	ug/l	100
85) sec-Butylbenzene	13.263	105	395746	48.482	ug/l	99
86) p-Isopropyltoluene	13.379	119	346822	48.599	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	179866	46.961	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	174235	47.484	ug/l	99
89) n-Butylbenzene	13.709	91	316599	48.531	ug/l	97
90) Hexachloroethane	13.971	117	67594	47.526	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	151363	48.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9296	47.467	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	96080	51.081	ug/l	98
94) Hexachlorobutadiene	15.123	225	56434	47.471	ug/l	99
95) Naphthalene	15.251	128	161024	53.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	79982	50.275	ug/l	97

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

