

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016142.D
 Acq On : 31 Oct 2023 12:26
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:14:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:01:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	175600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	283774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	247396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	117344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	8180	4.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.960%#		
35) Dibromofluoromethane	7.734	113	8362	4.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.880%#		
50) Toluene-d8	10.191	98	32404	4.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.660%#		
62) 4-Bromofluorobenzene	12.495	95	12004	5.234	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	4910	4.383	ug/l	99
3) Chloromethane	2.125	50	7444	4.800	ug/l	97
4) Vinyl Chloride	2.259	62	7061	4.411	ug/l	91
5) Bromomethane	2.662	94	4944	4.577	ug/l	96
6) Chloroethane	2.808	64	4871	4.322	ug/l	96
7) Trichlorofluoromethane	3.143	101	10867	4.497	ug/l	100
8) Diethyl Ether	3.540	74	3566	4.452	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.918	101	7223	4.745	ug/l	97
10) Methyl Iodide	4.107	142	7351	4.342	ug/l	99
11) Tert butyl alcohol	4.972	59	3603	29.348	ug/l #	90
12) 1,1-Dichloroethene	3.893	96	6512	4.687	ug/l #	79
13) Acrolein	3.741	56	3770	25.898	ug/l	100
14) Allyl chloride	4.503	41	9028	4.542	ug/l	97
15) Acrylonitrile	5.186	53	7821	22.852	ug/l	98
16) Acetone	3.966	43	10329	21.976	ug/l	99
17) Carbon Disulfide	4.216	76	15075	4.346	ug/l #	92
18) Methyl Acetate	4.497	43	6228	4.713	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	17015	4.305	ug/l	91
20) Methylene Chloride	4.735	84	11992	4.398	ug/l	85
21) trans-1,2-Dichloroethene	5.241	96	7389	4.565	ug/l	93
22) Diisopropyl ether	6.137	45	21038	4.376	ug/l	91
23) Vinyl Acetate	6.082	43	52134	22.089	ug/l #	88
24) 1,1-Dichloroethane	6.039	63	12654	4.398	ug/l #	89
25) 2-Butanone	7.002	43	12077	26.641	ug/l	99
26) 2,2-Dichloropropane	6.996	77	11754	4.322	ug/l	97
27) cis-1,2-Dichloroethene	7.009	96	8513	4.469	ug/l	91
28) Bromochloromethane	7.350	49	5502	5.111	ug/l #	92
29) Tetrahydrofuran	7.368	42	6331	22.279	ug/l	93
30) Chloroform	7.521	83	13911	4.441	ug/l	95
31) Cyclohexane	7.801	56	13727	5.434	ug/l #	65
32) 1,1,1-Trichloroethane	7.722	97	12828	4.466	ug/l	98
36) 1,1-Dichloropropene	7.935	75	11067	4.530	ug/l	99
37) Ethyl Acetate	7.094	43	5080	4.669	ug/l	99
38) Carbon Tetrachloride	7.917	117	9725	4.018	ug/l	88
39) Methylcyclohexane	9.197	83	13227	4.536	ug/l	94
40) Benzene	8.179	78	32688	4.661	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	3298	5.222	ug/l #	80
42) 1,2-Dichloroethane	8.252	62	8971	4.584	ug/l	95
43) Isopropyl Acetate	8.289	43	9496	4.412	ug/l	95
44) Trichloroethene	8.953	130	9360	4.561	ug/l	95
45) 1,2-Dichloropropane	9.228	63	7213	4.275	ug/l	99
46) Dibromomethane	9.319	93	4317	4.511	ug/l	96
47) Bromodichloromethane	9.514	83	10723	4.410	ug/l	95
48) Methyl methacrylate	9.307	41	4063	4.151	ug/l #	88
49) 1,4-Dioxane	9.319	88	2118	60.320	ug/l #	52
51) 4-Methyl-2-Pentanone	10.081	43	23675	22.046	ug/l	94
52) Toluene	10.258	92	20634	4.540	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	10727	4.419	ug/l	95
54) cis-1,3-Dichloropropene	9.941	75	12557	4.408	ug/l #	89
55) 1,1,2-Trichloroethane	10.654	97	6033	4.481	ug/l	99
56) Ethyl methacrylate	10.520	69	7433	4.251	ug/l	88
57) 1,3-Dichloropropane	10.801	76	10755	4.693	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	20735	24.457	ug/l	91
59) 2-Hexanone	10.843	43	16320	22.177	ug/l	93
60) Dibromochloromethane	10.996	129	7398	4.380	ug/l	99
61) 1,2-Dibromoethane	11.099	107	5766	4.503	ug/l	97
64) Tetrachloroethene	10.733	164	10663	4.846	ug/l	93
65) Chlorobenzene	11.526	112	22328	4.543	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	7771	4.269	ug/l	93
67) Ethyl Benzene	11.605	91	37881	4.309	ug/l	99
68) m/p-Xylenes	11.715	106	29304	8.626	ug/l	99
69) o-Xylene	12.044	106	14348	4.424	ug/l	95
70) Styrene	12.056	104	23359	4.332	ug/l	97
71) Bromoform	12.221	173	4453	4.409	ug/l #	95
73) Isopropylbenzene	12.343	105	38366	4.359	ug/l	100
74) N-amyl acetate	12.154	43	8057	4.212	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	6219	4.440	ug/l	92
76) 1,2,3-Trichloropropane	12.642	75	5108m	4.125	ug/l	
77) Bromobenzene	12.623	156	8930	4.480	ug/l	94
78) n-propylbenzene	12.678	91	46789	4.496	ug/l	99
79) 2-Chlorotoluene	12.770	91	25722	4.432	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	31858	4.467	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.392	75	2297	4.507	ug/l	93
82) 4-Chlorotoluene	12.867	91	27225	4.568	ug/l	100
83) tert-Butylbenzene	13.087	119	28072	4.399	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	32562	4.615	ug/l	98
85) sec-Butylbenzene	13.263	105	42584	4.547	ug/l	99
86) p-Isopropyltoluene	13.379	119	35196	4.534	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	18216	4.621	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	18734	4.809	ug/l	93
89) n-Butylbenzene	13.709	91	33801	4.739	ug/l	97
90) Hexachloroethane	13.971	117	5530	4.134	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	15889	4.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1342	5.354	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	10638	5.061	ug/l	97
94) Hexachlorobutadiene	15.123	225	5863	5.104	ug/l	97
95) Naphthalene	15.245	128	21188	5.188	ug/l	97
96) 1,2,3-Trichlorobenzene	15.434	180	9342	5.202	ug/l	98

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

