

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007489.D
 Acq On : 14 Feb 2022 10:48
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:44:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 03:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	140818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	230205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	198745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	90221	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8461	5.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.960%#
35) Dibromofluoromethane	7.722	113	7454	5.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.280%#
50) Toluene-d8	10.185	98	29586	5.362	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.720%#
62) 4-Bromofluorobenzene	12.483	95	10196	5.417	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.840%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	8037	5.119	ug/l	95
3) Chloromethane	2.119	50	9483	6.162	ug/l	90
4) Vinyl Chloride	2.259	62	8776	5.689	ug/l	91
5) Bromomethane	2.662	94	7612	6.920	ug/l	100
6) Chloroethane	2.808	64	5483	5.890	ug/l	91
7) Trichlorofluoromethane	3.143	101	15110	5.086	ug/l	93
8) Diethyl Ether	3.534	74	4318	5.069	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.912	101	7977	4.864	ug/l	97
10) Methyl Iodide	4.107	142	10792	5.514	ug/l	95
11) Tert butyl alcohol	4.966	59	3061	25.088	ug/l #	87
12) 1,1-Dichloroethene	3.887	96	7713	5.074	ug/l	82
13) Acrolein	3.747	56	3646	30.431	ug/l	94
14) Allyl chloride	4.485	41	10971	5.143	ug/l #	91
15) Acrylonitrile	5.174	53	9129	24.501	ug/l	98
16) Acetone	3.954	43	9475	23.123	ug/l	94
17) Carbon Disulfide	4.210	76	22785	5.222	ug/l	99
18) Methyl Acetate	4.491	43	5342	6.122	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	20855	4.956	ug/l	95
20) Methylene Chloride	4.728	84	9241	5.438	ug/l #	82
21) trans-1,2-Dichloroethene	5.234	96	8733	5.276	ug/l	86
22) Diisopropyl ether	6.131	45	22916	5.173	ug/l #	91
23) Vinyl Acetate	6.070	43	67547	23.862	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	14132	5.089	ug/l #	95
25) 2-Butanone	6.990	43	12063	23.934	ug/l #	87
26) 2,2-Dichloropropane	6.990	77	14590	5.201	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	9599	5.205	ug/l	86
28) Bromochloromethane	7.344	49	5568	5.236	ug/l #	78
29) Tetrahydrofuran	7.356	42	7366	25.142	ug/l #	81
30) Chloroform	7.515	83	15520	5.148	ug/l	97
31) Cyclohexane	7.795	56	15904	5.856	ug/l #	64
32) 1,1,1-Trichloroethane	7.710	97	14526	5.019	ug/l	96
36) 1,1-Dichloropropene	7.929	75	11721	5.016	ug/l	97
37) Ethyl Acetate	7.082	43	4811	4.600	ug/l #	90
38) Carbon Tetrachloride	7.911	117	13493	5.049	ug/l	96
39) Methylcyclohexane	9.191	83	15748	5.212	ug/l	89
40) Benzene	8.167	78	32516	5.074	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2992	3.785	ug/l #	63
42) 1,2-Dichloroethane	8.246	62	9881	5.013	ug/l	92
43) Isopropyl Acetate	8.277	43	10538	4.959	ug/l #	91
44) Trichloroethene	8.947	130	9353	5.102	ug/l	85
45) 1,2-Dichloropropane	9.222	63	7468	4.929	ug/l	99
46) Dibromomethane	9.313	93	4756	5.040	ug/l	94
47) Bromodichloromethane	9.502	83	11167	4.865	ug/l	100
48) Methyl methacrylate	9.295	41	4477	4.778	ug/l #	81
49) 1,4-Dioxane	9.313	88	1020	99.660	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	25199	23.926	ug/l	92
52) Toluene	10.252	92	20870	5.053	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	11633	4.846	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	13079	4.879	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	6327	4.989	ug/l	94
56) Ethyl methacrylate	10.514	69	7929	4.702	ug/l #	81
57) 1,3-Dichloropropane	10.794	76	10526	4.882	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.789	63	21280	24.137	ug/l	94
59) 2-Hexanone	10.837	43	17869	23.500	ug/l	92
60) Dibromochloromethane	10.990	129	7770	4.871	ug/l	100
61) 1,2-Dibromoethane	11.093	107	6411	5.122	ug/l	95
64) Tetrachloroethene	10.727	164	8231	5.261	ug/l	96
65) Chlorobenzene	11.520	112	22172	5.120	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	8267	5.033	ug/l	97
67) Ethyl Benzene	11.599	91	40710	5.032	ug/l	99
68) m/p-Xylenes	11.709	106	31547	10.290	ug/l	98
69) o-Xylene	12.032	106	14998	5.142	ug/l	93
70) Styrene	12.050	104	23588	4.939	ug/l	97
71) Bromoform	12.215	173	4307	4.750	ug/l #	98
73) Isopropylbenzene	12.337	105	40232	5.052	ug/l	99
74) N-amyl acetate	12.148	43	7974	4.479	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	6769	4.980	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	5998m	5.050	ug/l	
77) Bromobenzene	12.611	156	8795	5.132	ug/l	94
78) n-propylbenzene	12.678	91	48540	5.075	ug/l	99
79) 2-Chlorotoluene	12.764	91	26950	5.105	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	33939	5.146	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	2336	4.664	ug/l	86
82) 4-Chlorotoluene	12.861	91	27582	5.084	ug/l	99
83) tert-Butylbenzene	13.081	119	29387	5.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	32122	5.038	ug/l	100
85) sec-Butylbenzene	13.257	105	43110	5.078	ug/l	99
86) p-Isopropyltoluene	13.373	119	34887	4.983	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	16677	5.001	ug/l	96
88) 1,4-Dichlorobenzene	13.453	146	17099	5.169	ug/l	95
89) n-Butylbenzene	13.702	91	33806	5.069	ug/l	99
90) Hexachloroethane	13.965	117	6830	5.109	ug/l	77
91) 1,2-Dichlorobenzene	13.745	146	15233	5.183	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1288	5.567	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	8656	4.888	ug/l	95
94) Hexachlorobutadiene	15.117	225	5321	5.172	ug/l	100
95) Naphthalene	15.239	128	20231	5.264	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7624	4.986	ug/l	96

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

