

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
 Data File : VY002086.D
 Acq On : 26 Mar 2020 15:17
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 3/27/2020 4:13:51 PM

Quant Time: Mar 27 07:11:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 04:05:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	170693	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	305500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	273445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	125722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	9309	5.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	7.73	113	8311	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
50) Toluene-d8	10.18	98	34581	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	12.49	95	12349	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	8083	5.408	ug/l 97
3) Chloromethane	2.12	50	11148	5.372	ug/l 93
4) Vinyl Chloride	2.26	62	10594	5.019	ug/l 99
5) Bromomethane	2.66	94	7405	5.238	ug/l 97
6) Chloroethane	2.80	64	6464	4.815	ug/l 92
7) Trichlorofluoromethane	3.13	101	14640	5.068	ug/l 97
8) Diethyl Ether	3.54	74	6053	5.272	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	9420	5.046	ug/l 98
10) Methyl Iodide	4.10	142	9458	4.387	ug/l 98
11) Tert butyl alcohol	4.95	59	6608m	29.796	ug/l
12) 1,1-Dichloroethene	3.88	96	9365	4.984	ug/l 93
13) Acrolein	3.74	56	5825	21.841	ug/l 99
14) Allyl chloride	4.49	41	17066	5.073	ug/l 100
15) Acrylonitrile	5.18	53	15132	24.649	ug/l 98
16) Acetone	3.96	43	14771	28.028	ug/l 95
17) Carbon Disulfide	4.21	76	30673	4.863	ug/l 100
18) Methyl Acetate	4.49	43	7115	5.257	ug/l 96
19) Methyl tert-butyl Ether	5.23	73	25477	4.973	ug/l 95
20) Methylene Chloride	4.74	84	18333	8.086	ug/l 91
21) trans-1,2-Dichloroethene	5.23	96	10333	4.824	ug/l 93
22) Diisopropyl ether	6.13	45	34455	4.991	ug/l 96
23) Vinyl Acetate	6.08	43	109697	24.305	ug/l 99
24) 1,1-Dichloroethane	6.04	63	18190	4.882	ug/l 98
25) 2-Butanone	7.00	43	20748	25.877	ug/l 93
26) 2,2-Dichloropropane	6.99	77	15225	4.968	ug/l 98
27) cis-1,2-Dichloroethene	7.00	96	11245	4.821	ug/l 96
28) Bromochloromethane	7.35	49	7617	4.479	ug/l 97
29) Tetrahydrofuran	7.36	42	13686	25.644	ug/l 95
30) Chloroform	7.52	83	17647	5.044	ug/l 98
31) Cyclohexane	7.80	56	22181	5.568	ug/l # 78
32) 1,1,1-Trichloroethane	7.72	97	14439	4.904	ug/l 97
36) 1,1-Dichloropropene	7.93	75	14748	5.060	ug/l 99
37) Ethyl Acetate	7.10	43	9525	5.638	ug/l 99
38) Carbon Tetrachloride	7.91	117	11980	4.798	ug/l # 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	18933	4.889	ug/l	98
40) Benzene	8.17	78	42709	4.936	ug/l	98
41) Methacrylonitrile	7.33	41	4408m	5.601	ug/l	
42) 1,2-Dichloroethane	8.25	62	11540	5.169	ug/l	99
43) Isopropyl Acetate	8.28	43	16101	5.015	ug/l	99
44) Trichloroethene	8.95	130	10229	4.848	ug/l	95
45) 1,2-Dichloropropane	9.22	63	10644	4.883	ug/l	92
46) Dibromomethane	9.31	93	5525	4.918	ug/l	98
47) Bromodichloromethane	9.50	83	12217	4.670	ug/l	97
48) Methyl methacrylate	9.30	41	7046	4.982	ug/l	98
49) 1,4-Dioxane	9.32	88	1521	99.211	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	41140	24.889	ug/l	99
52) Toluene	10.25	92	25461	4.847	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	13536	4.754	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	16225	4.787	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	8304	5.042	ug/l	95
56) Ethyl methacrylate	10.51	69	11502	4.801	ug/l	98
57) 1,3-Dichloropropane	10.80	76	14566	4.967	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	30142	29.506	ug/l	100
59) 2-Hexanone	10.83	43	28969	24.617	ug/l	98
60) Dibromochloromethane	10.99	129	8036	4.652	ug/l	98
61) 1,2-Dibromoethane	11.10	107	7558	4.857	ug/l	97
64) Tetrachloroethene	10.72	164	8480	4.966	ug/l	96
65) Chlorobenzene	11.52	112	26020	4.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	8529	4.815	ug/l	99
67) Ethyl Benzene	11.60	91	47349	4.700	ug/l	98
68) m/p-Xylenes	11.70	106	35551	9.562	ug/l	100
69) o-Xylene	12.03	106	16941	4.830	ug/l	100
70) Styrene	12.05	104	28698	4.773	ug/l	98
71) Bromoform	12.21	173	4408	4.596	ug/l #	100
73) Isopropylbenzene	12.33	105	45635	4.769	ug/l	99
74) N-amyl acetate	12.14	43	14566	4.956	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	9581	4.657	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	7282m	4.832	ug/l	
77) Bromobenzene	12.61	156	9444	4.640	ug/l	93
78) n-propylbenzene	12.67	91	57000	4.823	ug/l	99
79) 2-Chlorotoluene	12.76	91	30915	4.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	38269	4.846	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	3220	4.383	ug/l #	85
82) 4-Chlorotoluene	12.86	91	33371	4.904	ug/l	99
83) tert-Butylbenzene	13.08	119	31079	4.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	38023	4.857	ug/l	97
85) sec-Butylbenzene	13.25	105	46753	4.834	ug/l	100
86) p-Isopropyltoluene	13.37	119	39406	4.721	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	19904	5.004	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	19142	4.748	ug/l	90
89) n-Butylbenzene	13.70	91	42666	4.924	ug/l	97
90) Hexachloroethane	13.97	117	7402	4.702	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	18115	4.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1693	5.263	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	12141	5.187	ug/l	99
94) Hexachlorobutadiene	15.12	225	6165	5.369	ug/l	97
95) Naphthalene	15.23	128	27034	4.868	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	11188	5.401	ug/l	96

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

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